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SFUND RECORDS CTR 2318587

Comstock Mill Historical Survey Site Packet

Mill # 17 Mill Name: Woodworth Mill

CARSON VALLEY

OR CARSON PIVER

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1.1 HISTORICAL SUMMARY OF WOODWORTH MILL

The Woodworth Mill was located on the Carson River one mile south of Dayton (Ansari 1989:82) at a location where three additional mills were erected at various times. These mills were known as the Woodworth Mill, the Woodworth & Hastings Mill, the Hastings & Co. Mill, the Mosheimer Mill, the Ophir Mill, and the New Ophir Mill (Science Applications International Agency, Technology Services Company [SAIA TSC] 1994:5). The Woodworth mill was also known as the Carson River Quartz Mill, and appears under that name on Bancroft's 1862 map (Figure 1). The Hastings & Woodworth Mill, the earliest mill on the site, was reportedly the first water-powered mill on the Comstock, beginning operations in 1859. This mill contained two arrastras and was located at the site of the later Carson River Quartz Mill (Ansari 1989:81; Kelly 1862:214; Bancroft 1981:111; Rickard 1932:98).

The Carson River Quartz Mill was listed in 1862 as being owned by Joseph Woodworth, William Stewart, and John B. Winters. The site was then known as Camp Woodworth. The mill contained ten stamps, four arrastras, and two turbine wheels powered by water brought in by a 23-foot wide by 2000-foot long. The mill used Hungarian bowls and the Hayden process and processed twenty tons of ore each day from the owners' claim at the Henderson in Gold Hill. The mill employed ten men with J. B. Winters as superintendent. The mill had several outbuildings and Mr. Mosheimer had a ten stamp mill adjoining the site.

The Carson River Quartz Mill was purchased by the Ophir Company in 1863, which erected a larger mill at the site (Historical American Engineering Record [HAER] 1980). The mill was located seven and one half miles from its mine and employed 13 men (Browne 1867: 352-353). The New Ophir Mill was reported, in 1865, to have 24 stamps powered by steam (*Gold Hill Daily News* 1865:3) and was recorded on an 1866 General Land Office survey map (Figure 2) and was also on the site in 1867. It was owned by the Ophir S. M. Co. and was built in 1864 at a cost of \$75,000. This mill was water-powered and steam (?)with 24 650-pound stamps and a 10-foot-diameter turbine wheel; it contained 12 Hepburn pans, six settlers, and one agitator. It processed 40 tons each day and 1,200 tons per month.

By the 1870s, the Woodworth Mill was listed with 24 stamps, 12 pans, and a 48 ton capacity (Ansari 1989:82; Nevada State Mineralogist 1873:100; Powell 1976:67). In 1871, the mill was overhauled (*Territorial Enterprise* 1871:3). In 1873, the mill was reported to be working slimes and tailings, and contained 12 pans (*Territorial Enterprise* 1873a:3; 1873b:3). In-1874, the Woodworth Mill worked 1,279 tons with a yield of \$91,192.65 (Raymond 1874:182). The Woodworth Mill was recorded on Wheeler's 1877 map (Figure 3). The mill was the scene of an accident in 1884, when a revolving shaft crushed an employee's arm (?) after his sleeve became caught in the gears (*Reno*

Evening Gazette 1884:2). That same year, the mill received 1,000 cords of wood from the Nevada Wood and Flume Company (Weekly Reno Gazette 1884:2).

The mill may also have been the site of the marriage of Senator W. J. Westerfield to Mary R. Sims of Dayton, as their wedding was reported "at the Woodworth Mill residence" (*Nevada State Journal* 1888:2). In 1889, the Woodworth Mill still worked tailings (De Quille 1889:81).

A Historic American Engineering Record report was performed in June 1980 at this site (HAER 1980). The map from this report is shown in Figure 4.

The following tables contain the full title history of the Woodworth Mill (SAIA TSC 1993:16-22).

	WW.	医外侧侧		AND THE COMPANY	- 140	COCOCY T	COUNTY	DOCTOR
07-23-1860	Dend	Joseph H. Haskings	John B. Winterm	300 acres and mill 1/10 operated by Woodwarth, Stawert, Hastings and others	10-04-1860	CCR Dends C	215- 216	Almo Lc/ccm Deads A/183-185 (C-1)
07-23-1860	Xtg.	John D. Winters	Jaseph M. Hastings	ageinst 1/10 of 3004 acres	10-01-1460	CCR Deeds B	623 623	(C-2)
07-23-1860	Deed	Joseph. Woodworth	Jameph M. Buntinga	J2% / 100 of J20 acres and quarte sill operated by factings Stewart and Moodworth	05-14-1#63	CCR Dreds A	367	Almo Se/con Deeds A/355-157
04-08-1440	Hty.	Joseph Hoshelmer Guido Kustel	Mes. Hary Misin	against Hoodworth & Mastings Quartz will (IP-stamps) and land (+)0 Hungarian amaigonators)	10-01-1040	ĊСЙ Deecle: В	623- 626	(C-4)
DE-07-1860	Art. of Agree- Mont	Quarti Hill of the Carson Biver Mining Company dbs J. H. Heatings & Co.	Guido Kustel Tomph Hombelmer dum Hombelmer E Kustel	3 feet lease for ground a water to arest and run- n 10-steep mill	id-02-1860 Carmon City. Co.	CCR Dends N	424- 427	{ € ~5}
D3031860	Aq.rem. went.	Homhelmer & Kustel	Joseph Sorber	Norber paid \$4,000 to wollarge Moshelber & Kustel will aka Moodvorth's Hastings will. Conveys ly6 of to stapp milt to Norber	₽4−24−286 }	CCB Powers	104	{C-6}
09-21-1869	tracd	Joseph Woodworth	Milliam Stowert	175 / 100 as In A/11-115	10-62-1669	CCA Dougu D	637-	: Also IC/CCR Deeds A/113-117 (C-7)

		用的原始制度等的		VALUE IN LABOR				
09-31-1860		Joseph Hoodworth	Millimm Stewart Joseph W. Hestings John B. Minters	38/100 am in A/113-115	10-02-1860	CCR Deeds	#38- #39	Also Toyoch Deeds A/117-119 (C-8)
09-21-1860	Deed	Janen Walsh	Joseph Woodwarth	Y of 37% / too Mill and . Property of Woodworth and Company (32d acres)	15-01-1846	CCR Deeds B	\$35 \$36	Atao LC/CCR Dawda A/113-315 (C-9)
03-14-1850	mry.	Nilliam Stuart John B. Winters	Joseph Hoodworth	Against will and Property of Moodworth & Co. (320 acres)	10-03-1260	CCN Deeds	302-	[C-10]
07-24-1460.	Mtg.	John S. Winters	Joseph H. Hastings	against shares of millsite (333 acres) and mills of troodwarth 6 Co.	30-34-1440	CUR Devda	303- 304	(C-11)
09-29-1 % €0	Daed	William Stuart	John B. Winters	8-3/4 / 100 Kill of the Woodworth and Company And 320 acres	61-19-1881	CCR Deeds, C.	535 536	Also LC/CCR Deads A/209-211 [C-17]
10-70-1880 10-50 F	Survey of Land Claim	County Surveyor	Joseph M. Hastings John M. Minters Milliam Stuart	525.79 Acres including mill house and stable	11-26-1860	CCR Deads D	001	(C-13)
0.441-60-51	Hky.	John R. Herold. John Drynah	Joseph W. Hestings	equinat 435 / 100 of Quarte Mili and ellists of Moodvorth, Malsh & Co.	12-13-1860	CCN Deeds C	470- 471	(c-13)
(Z-03-1#40	Deed	J. W. Heatilings	John M. Herold John Drynan	425 /189 location made by Woodworth, Walsh and Company also quarts will now meeted beed incument on worthage	12-12-1460	CC# CC#	#71- 49)	Also LC/CCR Deeds A/191-192 (C-14)

12-63-1460	Deed	J. W. Heatlings	John R. Berold John Dryman	414 / 100 of location made by Moodworth, Melah & Company and Quartic Mill now exected (encumbered by mortgage)	01-19-1841	CCR Horne A	372-	Alec ic/ccr Deads A/149-17 [C-15]
12-04-1860	Desd	Guido Kustat Joseph Honhaimer	John B. Winters	h "Moshelmer Mill" consisting of 10 stamp Guartz Crushing Mill and Amalgomators and rights granted in 8/625	12-12-1860	CCR Morae A	995	Also LC/CCR Deads A/293-29 (C-16)
01-01-1861.	Dend of Trust	John R. Harold	Јоћи Отупан	y of 42% / 100 or mill and millaits formerly owned by Moodworth, Welch & Co.	01-03-1841	CCX Deeds C	502 504	(C-1#)
01-01-1361	Mtg.	John R. Marold	John Drynen	h of 42% / 100 of mill and milisite formerly breed by Woodwarth, Walsh E Co.	93-19-1861	CCR Htg.	057- 058	(C-74)
05-01-1-51	Htg.	Joseph Moodworth	john prynen	42% / 100 of milisits location made by Moodworth, Malah & Co.	05-20-1861	ccit Deeds:	726- 727 -	(C-20)
05-01-1#61	Rtq.	Joseph Moodworth	John Drynan	17% / 100 of milisits location and by Woodworth, Walsh & Co.	05-20-1861	CCR Ntg.	100	(C-31)
05-20-1861	Satiar- action	John Drynan		notation in margin regarding matlefaction of D/T at CCR Htq. A/ST		ECH ECH	057	(0-19)
31-73-1942 33-01-1983	Deed	John E. Winters	William Stawart	28-3/4 / 100 Woodworth & Waish location	03-04-1862	Deeds A	001- 002	(C-22)
***********	Deend	John B. Winters William Study Joseph Woodworth	Ophic Sliver Mining Company [CA Corp.]	585.78 adres and Quartz Mills	03-04-1842	Deeds A	6#3- 485	((0.33)

					排化剂的			
\$9:12-1876		L. F. Dresler	W. S. Mobert	1/2 Woodworth Mill + 925		Deeds	067-	
07=13-1#70 01-06-1672		W. S. Hobert	John W. Mackay J.G. Takr	1/2 tailings carried by finme 1/2 Moodworth Mill and 525 mores (intended as mortgage according to G/88)	07-13-1870	Describe G	071 071- 072	(C-23) (C-24)
	Dend	John W. MacKay James G. Fair	W. S. Hobart	1/2 525 Mores and Moodworth mill	02-07-1872	Deeds	484-	-
12-15-1875	Deed	V. B. Hobart	Herada Bank of San Francisco	1/7 Moodworth Mill + 579 screw (recorded at request of Hells Targo and Company)	12-20-1475	D##ds II	486 284~ 285.	(C-35)
12-21-1175	Dwed .	James G. Pair	Pacific Hill and Hining Company	3/2 MN 1/4 of NW 1/4 Rection 26 (Percet 8) (Recorded at request of Mells Pergo Co.)	.12-24-5975	Preds R	2#7	(C->7]
	Deed	Janea G. Tair	Bevada Bank of San Eranciaco	1/2 BM 1/4 of MW 1/4 Section 26 (Parcel B) (Recorded at request of Wells Parce 6 Co.)	17-24-1875	D##d#	29%	(C-)#)
1-62-1904	Deed	PROTECO HILL And Mining Company Monart Estate Company	M. J. Westerfield	Parcel known as: Moodworth Mill property 3N 1/4 of NH 1/4 Section 16 (Reference to Restings and Company's querty 111)	04-14-1904	Peeds N	660- 667	(0-39)
I-1#-1901	Dred	Coulse Hackay Clarence H. Hackay	H. J., Henterstein.	Parcel & (n 1/665	01-14-1904	Direction	643-	
(-25-2704	Darket)	Theress A. Delriche Victimis Vanderblit James L. Flood	V. J. Benterelinin	Parcel A in 1/445 Parcel B	04-18-19-04	# D=+d=	#65 #65- 647	(C-40) (C-41)

				I some mer to be recommended				la la la
94-16-1904		W. J. Westerfield	franty Combellick	Parcel A	04-18-1904	- Commission of the Commission	947-	
67-05-1905	Deed	Ophin filter Hining Company (CA Corp.)	Henry Comballick	SK 1/4 Section 27 W 1/2 of EW 1/4 Section	07-11-1005	Doods	033	(C-42)
******	CBS Deed	Henry Contallick	John Depagii	1/2 of SE 1/4 Section 27	03-26-1914	Deeds	17#	(6+4)
01-30-1915	Hales Agt.	John Depasti .	Maratilio Sorani Costantino	SE 1/4 Section 17 W 1/1 of SW 1/4 Section	02-06-1913	Mi+c	052-	(C-44)
83-21-193#	Assign-	Constantino Denedetti	Alfred Chartz	Assigns 1/2 of J/22	0)-21-1911	Kisc	055	(C-45)
)-21-191a	Assign«	Constantino Benedatti	Altred Charts	Ansigns 1/2 of Parcel A	03=23=191#	Misc	490=	[C-44)
13-21-1618	Agree-	Altrad Charts	Barellin Koreni Cesira Sorani	Amajora interper	02-15-1919	Hisc	482=	(0-67)
3-10-1919	Died	Estate of John Departi	Retaille Serant	SR 1/4 Section 27	03-13-1919	Deeds	407-	<u>{C-48</u> }
0-13-1513	Deed	Core Chartz	11.	W 1/2 of SW 1/4 Section 28 (Parcels A 6 B)		v	400	(6-49)
			Helem Haley Beatrice E. Churtz John M. Chartz	HE 1/4 Section 27 W-1/7 of SM 1/4 Section 24	01-10-1944	Deede 32	517- 510	Document #51035 {C-503
1-0#-194#	कित्मच-	Holen Haley Beatrice E. Chartz John M. Chartz	rio guitici	SE 1/4 Section 27 W 1/7 of SM 1/4 Section 26 Partial of HE 1/4 of SM 1/4 dection 26	07-34-144#	Dreds 35	313- 214	Pocusing #25306 (C-51)
-24-1550	Dend	hio critics	Mary Louise Carling	* A	09-21-1950	Perds 36	242-	Document 758784

04-16-1904	Deed	M. J. Westerfield	Henry Combillich	Parcel A. Parcel B	04-18-1904	Deside N	647- 648	(C-42)
07-05-1905	Dwed	Ophic Silver Mining Company (CA Corp.)	Henry Combellick John Depaoli	## 1/4 ##ction 27 W 1/2 of ## 1/4 ##ction 26	07-11-1905	Deeds Q	44.0	{c+43}
03-13-1#14	Cas Desci	Henry Combellick	John Depacii	1/2 of SK 1/A Section 27 3/2 of H 1/2 of SM 1/4 Section 24	03-24-1914	Deeds 2	37:8	(C-(44)
01-10-1915	Sales Agt.	John Deposit	Marmilio Sarani Costantino Bendatti	#2 1/4 Section 27 # 1/2 of SW 1/4 Section 26 (Parcels A 4 D)	02-06-1915	Minc	952- 955	#22334 (C=45)
03-21-191s	Ammign-	Constantino Senedetti	Alfred Chartx	Ammigne 1/2 of J/52	8141-CK-KO	Hise J	490- 493	(C-46)
03-21-1918	Assign-	Constantino Benedetti	Altred Charts	Assigns 1/7 of Parcel A	03-23-1910	Misc J	49.2-	{C-47}
03-21-1914 ·	Agres-	Alfred Charts	Mazelliö Borani. Cestra Sorani	Assignm Interest received by J/490	02-15-1919	Hiệc C	399- 600	{C=4*}
03-10-1919	Deed	Katiktë of Jöhn Depeoli	Mars[1] o Sorani	######################################	07-17-1914	Deed# U	407 409	(C-43)
10-19-1941	Dand	Emmi Charti	Helen Kalay Destrice E. Chartz John M. Chartz	ME 1/4 Section 37 ME 1/2 of SME 1/4 Section 26	61-10-1944	Deeds '22	537- 540	Pocument #51035 (C-50)
01-08-19-EK	Bred	ifeinn Haley Beatrice E. Charts John D. Charts	pio outliel	86 1/4 Section 77 W 1/2 of 86 1/4 Section 26 Partian of Mt 1/4 of SW 1/4 Section 26	Q1-24-1948	Doeds 35	23.5~ 23.8	Document #55504 (C-51)
\$7-\$6-1856	Dend	Pio Outilet	Mary Louise Darling	See Deeds 39/238 368.43 Acres	09-2)-1950	Dende 36	343-	Bocument #58284 (C+521

			100	AND COMPANY				
09 -01-1951	Oulet Title			No useful information on file - reperts & sore portion not next to mills	·			Case #3412
06-08-1953	Corr	Plo oulliel	Mary Louise Darking:	SE 1/4 Section 27 M 1/2 of SM 1/4 Section 16 Portion of NE 1/4 of SM 1/4 Section 26	69-11-1951	Deeds 38	211- 220	56cajant #66117 [C-53]
03-14-1955	Dend	Mary Louise Darling Dlaxe Depling	Johno (mic) Winters Kathlesn N. Winters	Property now known as Winters Ranch	Ű7-03±193 4	Deeds 40	278- 280	Document (C=34)
19-10-1975	Aqt.	JohnO [ale] Winters Wathless N. Winters.	JohnD [wio] Minters Pamily Trust	All property				Not searched
13-08-1983	D++d	John E. Winters and Kathleen B; Winters as contrasteds at John Minters Pasily Trust Agressant	Winters Surrise Propercies; a AV general partnership	Winters Ranch	02-23-39 4	Hone .	Home	Document #83#43 (C-35)

a patent." 5B Thompson, <u>Thompson on Real Property</u> Sec. 2724 (1978 Replacement Volume)

The pre-emption rights do not preclude the pre-emptor from selling or otherwise disposing of the land after entry has been made. Since mortgages are not grants or conveyances, the right of a pre-emptor to mortgage his interest has been upheld.

In this light, the prepatent transfer of property by sale, lease, or mortgage appears to be a valid conveyance of an imperfect title. Thus prepatent owners should be considered "prior owners" under 42 U.S.C. 9607 (a)(2).

The title search for the Dayton millsites was performed from January through April 1992. At the time the title search was conducted, the exact location of some millsites was unknown. Subsequent ground searches of the area based on title documents and other sources, have determined the locations of the millsites. The parameters used in the title search may not fully encompass the area which was later determined to constitute the millsite. Further, the title narrative may not reflect the current assessed owners of some parcels, indicating that conveyances have occurred since the title search was conducted.

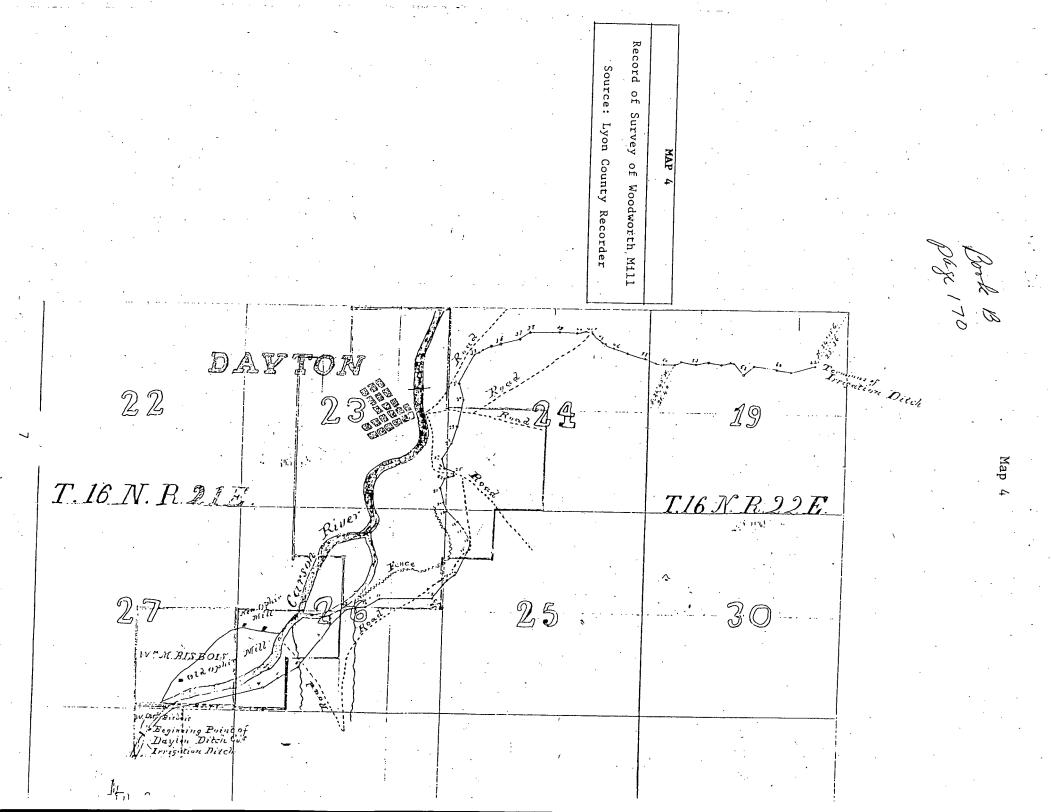
2.1 Woodworth Mill

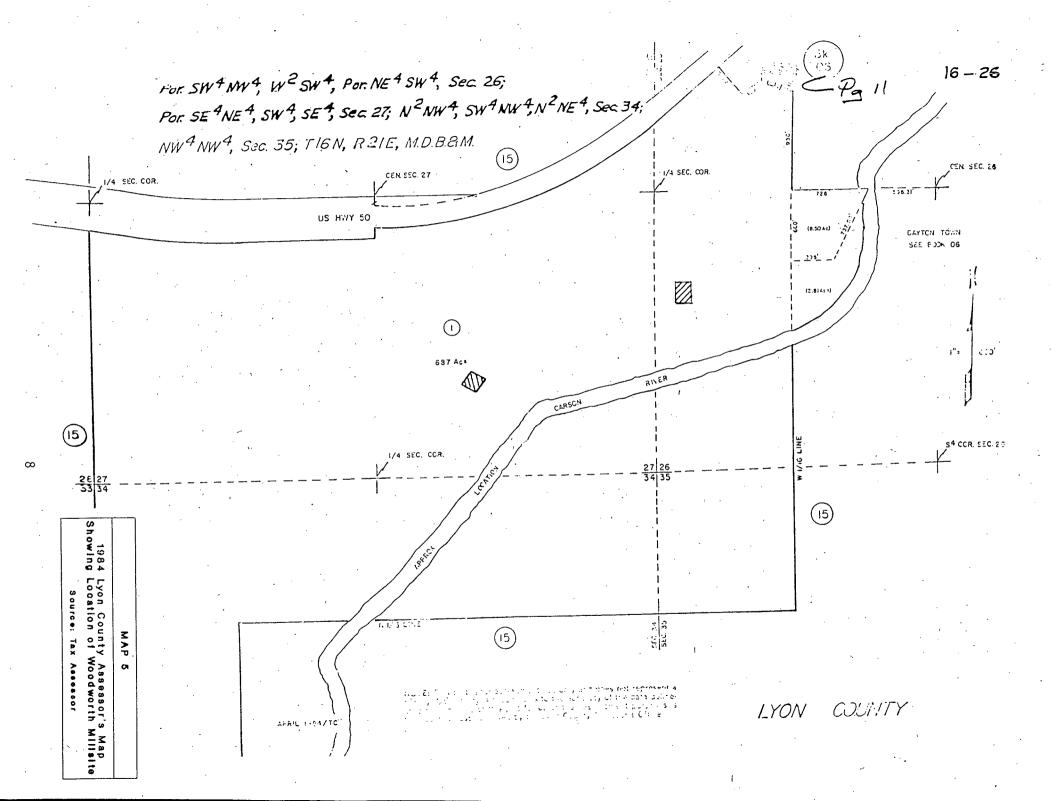
The Woodworth Millsite may have contained as many as three separate mills. As discussed below, these mills were known at various times by different names, including the Woodworth Mill, the Woodworth & Hastings Mill, the Hastings & Co. Mill, the Mosheimer Mill, the Ophir Mill and the New Ophir Mill. As noted below, there are some inconsistencies and gaps in the early history of the Woodworth site.

According to the July 1865 survey made of the township by the United States Government, the mill bears N. 8 $1/2^{\circ}$ E. from the common corner of Sections 26, 27, 34 and 35, and bears S. 29° E. from the quarter corner between Sections 26 and 27, T. 16 N., R. 21 E., Mount Diablo Base Meridian (MDBM). Two structures are indicated at this site on the 1866 Cadastral Plat and the Record of Survey at Book B of Surveys, Pages 170-172 (Maps 3 and 4).

One of the first mills in the territory, the Woodworth Mill was erected by Joseph Woodworth and James Walsh in the fall of 1859 (A-1;013109). Woodworth and Walsh were either already partners with Joseph W. Hastings (Hastings), William Stewart (Stewart), and John B. Winters (Winters), or brought them in as partners soon thereafter. The exact origins of these parties' interests are unclear due to incomplete documentation and the complex nature of those transactions that are documented.

On July 23, 1860, Woodworth deeded to Hastings a 32.5% interest in 300 acres of land and a mill on that land operated by Woodworth, Stewart and Hastings (C-3). On that same day, Hastings granted Winters a 10% interest in the same property and mill (C-1), receiving a mortgage from Winters on that interest (C-2). In August of 1860, a lease was granted by the "Quartz Mill of the Carson River





Mining Company" operating under the name of "J.W. Hastings & Company" to Joseph Mosheimer and Guido Kustel operating under the name of Mosheimer & Kustel for a term of three years to erect and run a quartz mill (C-5). On August 8, 1860, Mosheimer & Kustel gave a mortgage on the leased property to Mrs. Mary Klein (C-4).

One month later, on September 8, 1860, Mosheimer & Kustel entered into an agreement with Joseph Sorber under which Sorber was to pay \$4000 and enlarge "the quartz mill of Mosheimer & Kustel situated in Carson River, Nevada Territory known as Woodworth & Hastings Mill" in exchange for Sorber's receiving a 25% interest in the mill (C-6). From these documents, it is not entirely clear whether the Mosheimer & Kustel mill was actually built.

On December 4, 1860, a one-half interest in the "Mosheimer Mill," rights to which were acquired in the September 8, 1860 lease agreement, was conveyed to Winters by Mosheimer & Kustel (C-16). The miscellaneous volume covering this period has not been located, so the further history of the lease is unavailable. While the interest conveyed by C-16 suggests that the mill existed, it is questionable, given practical considerations of time and technology, whether a new mill could have been constructed this quickly. Moreover, it appears odd that Mosheimer and Kustel, as lessees, were trying to transfer an apparent fee interest.

On September 21, 1860, Woodworth conveyed a 17.5% interest in the mill and property of "Woodworth & Company," consisting of 320 acres, to Stewart (C-7). That same day, Woodworth granted Stewart, Hastings and Winters a 30% interest in the same property (C-8). Meanwhile, and also on September 21, James Walsh granted Woodworth one-half of a 37.5% interest in the same property (C-9). September 24, 1860, Stewart, Hastings and Winters executed a mortgage in favor of Woodworth on the property (C-10), while Winters individually executed a mortgage to Hastings for shares in the property (C-11). Several days later, on September 29, 1860, a deed from "William Stuart" [sic] conveyed an additional 8.75% interest in the property to Winters (C-17). Stewart, Hastings and Winters were granted a petition seeking water rights in connection with the operation of the "Hastings Quartz-Mill" on October 24, 1860 (A-1;013109). Their petition, granted by the county probate judge and selectmen, claimed that they were the owners of the "water rights acquired by Woodworth and Walsh, who located the said place on or about the 9th of July 1859, and who soon after constructed a Quartz Mill." This suggests that the Hastings and Woodworth mills may have been one and the same.

On November 8, 1860, a "Certificate of Survey to Hastings, Winters & Stewart" was issued by the County Surveyor (C-12). It contains a detailed metes and bounds description, consisting of 525.79 acres, and shows only one mill on the property.

On December 3, 1860, there appear to have been two deeds executed by Hastings to John R. Harold and John Drynan (C-14, C-15). Each of these deeds purport to convey a 42.5% interest in the property "formerly owned by Woodworth, Walsh & Co." as well as the mill "now erected and in operation upon the premises aforesaid". It is possible that one of these transfers may be redundant or repetitive because while the exact nature of the various parties' interests at that point in time is not entirely clear, it does not appear that Hastings had an 85% interest. In addition, on that same date, December 3, Harold and Drynan

executed a mortgage in favor of Hastings for a 42.5% interest in the property (C-13). The existence of only one mortgage also suggests that there was only one transfer of a 42.5% interest.

There are, however, several other inconsistencies surrounding these transactions. First, while both deeds were executed on the same day, C-14 was recorded on December 15, 1860, while C-15 was not recorded until March 19, 1861. Second, on January 1, 1861, Harold executed a deed of trust (C-18) and a mortgage (C-19) to Drynan, each for one-half of a 42.5% interest in the former Woodworth & Walsh Co. mill and property. The deed of trust (C-18) was recorded on January 5, 1861 in Carson County Records (CCR) Deeds Book C, pages 502-504. The mortgage (C-19) was recorded in CCR Mortgages Book A, pages 57-58 on March 19, 1861. These facts raise the possibility that the parties were trying to protect themselves by recording the transactions in all possible places (in both the deed and mortgage books).

It does not appear possible to clarify these transactions by attempting to analyze what interests were later transferred by Harold and Drynan to other parties. There are no records of any later deeds from Harold or Drynan beyond those discussed above. There is a notation on the mortgage executed by Harold in favor of Drynan indicating that it was satisfied on May 20, 1861.

Further complicating matters is the fact that there are two mortgages by John Drynan in favor of Joseph Woodworth dated May 1, 1861, and recorded on May 20, 1861 (C-20, C-21). Both of these mortgages are for a 42.5% interest in the property. One was recorded in CCR Book A of Mortgages while the other was recorded in CCR Book C of Deeds. It would appear by the deed of trust and mortgage from Harold to Drynan that Harold intended to transfer his full interest to Drynan, thus enabling Drynan to mortgage the full interest. However, the nature of the transaction between Drynan and Woodworth is unclear, because while the above mortgages are recorded, there is no indication of any deed or deeds transferring from Drynan to Woodworth.

It is possible that the record of the deed or deeds from Drynan to Woodworth is missing, because, following a March 1, 1862 conveyance by Winters to Stewart of a 28.75% interest in the property (C-22), it appears that Winters, Stewart and Woodworth had a 100% interest in the property. In Kelley's 1862 Directory, this mill was identified as the Carson River Quartz Mill and the proprietors were reported to be Joseph Woodworth, William Stewart, and John B. Winters. The Mill contained 10 stamps and 4 large arrastras and was powered by water brought through a ditch 23 feet wide and 2000 feet long. It had the capacity to crush 20 tons of ore a day. (A-2;A011026)

Woodworth, Stewart and Winters transferred what appears to be a 100% interest including the entire 525.79 acres and mill to the Ophir Silver Mining Company (a California corporation) on January 13, 1863 (C-23). Historical accounts suggest that the Ophir Silver Mining Company rebuilt the mill the following year (A-3;A008136). However, at least one contemporary map shows that by 1867, there were two mills on the property, the "Woodworth Mill" and the "Ophir Mill". In the 1865 Annual Report of the Surveyor General, the new Ophir Mill was described as being erected in 1864, being powered by steam and water, and having 24 stamps

and 15 pans with a crushing capacity of 35 tons per day. The mill worked ore from the Yellow Jacket and Ophir mines (A-4;A008364) (B-4;A008572).

There is a possible gap or lack of clarity in the title for the property at this point. The next documented transactions are the grants of patents from the U.S. Government to William Brisbois on October 10, 1866. These grants include the southwest quarter of the southwest quarter of Section 26, amounting to 40 acres (C-24), the southeast quarter of Section 27, amounting to 160 acres (C-25), and the north half of the southwest quarter of Section 26, amounting to 80 acres (C-26). These grants total 280 acres. There is also a gap in the title history of the remainder of the property, which picks up with the transfer on June 1, 1867 of the southeast quarter of the northeast quarter of Section 27 and the southwest quarter of the northwest quarter of Section 26 from Lucy Frazier to the Ophir Silver Mining Company (C-27). The title documents do not explain who Frazier or Brisbois were or what their interest in the property was.

On October 23, 1869, Ophir Silver executed a deed conveying the property "formerly known as the property of the 'Carson River Mining Company' since and now known as the Woodworth, or Ophir, Mill property consisting of a Quartz Mill . . . 525.79 acres of land" to W. S. Hobart (C-29). This parcel will be referred to as "Parcel A."

Hobart deeded a one-half interest in 529 (not 525.79; apparently a transcription error) acres formerly owned by the Ophir Silver Mining Co., including a quartz mill formerly known as the Woodworth Mill, along with a one-half interest in a flume constructed by Hobart from Silver City to the quartz mill "for the purpose of carrying tailings to said Mill," to James C. Flood, W. D. O'Brien, doing business as Flood & O'Brien, J. W. Mackay and J. G. Fair on June 14, 1870 (C-30). This deed did not specifically transfer an interest in the tailings themselves, nor is there a map which shows the location of the flume. The deed broke out the interest as follows: Flood & O'Brien; three-sixteenths, Mackay; three sixteenths, and Fair; one-eighth.

Meanwhile, on July 1, 1870, Hobart mortgaged his remaining one-half interest in 525 (not 529) acres, the mill, the flume and "also 1/2 of the tailings carried and deposited at said mill by said flume" to L. P. Drexler (C-31). This document reads like a deed rather than a mortgage, but the "defeasance" that immediately follows in the record (C-32), clarifies the first document's role as a mortgage in light of other monies then being owed by Hobart to Drexler. On September 12, 1870, Drexler reconveyed his interest back to Hobart in an apparent satisfaction of the mortgage (C-33).

On the next day, September 13, 1870, Hobart conveyed a one-half interest in the property, including the mill, flume and tailings, to John W. Mackay and James G. Fair (C-34). This document reads like, and is recorded as, a deed. However, an indenture executed January 6, 1872 by Mackay and Fair (C-35) indicates that the parties intended C-34 to be a mortgage for repayment of \$35,000, and that C-35 was intended as a reconveyance to Hobart due to his satisfaction of that mortgage.

Throughout this period, contemporary accounts indicate that the mill continued to operate. In the 1869-1870 State Mineralogist Report for Lyon County, the

Woodworth Mill was reported to have 24 stamps and 12 pans (A-5;A008529). In the 1871-1872 State Mineralogist Report, and the 1876 Land of Silver, the Woodworth Mill was reported to have 24 stamps and a crushing capacity of 48 tons of ore per day (A-6;A011002) (A-7;A005026).

Hobart could not seem to hang on to his remaining one-half interest, and on December 15, 1875, he conveyed it (again described as 529 acres) to the Nevada Bank of San Francisco (C-36). This conveyance did not specifically include the flume or tailings. It was recorded at the request of Wells Fargo & Co.

Later that month, on December 22, 1875, James Fair conveyed a one-half interest in the southwest quarter of the northwest quarter of Section 26 (Parcel B) to the Nevada Bank of San Francisco (C-38), and in a separate transaction, the same interest to the Pacific Mill & Mining Co. (C-37). These transactions were recorded at the request of Wells Fargo & Co.

On January 2, 1904, Pacific Mill and Mining and the Hobart Estate Co. conveyed to W. J. Westerfield their interests (C-39) in property described in a metes and bounds description and recorded as "being the same property mentioned in a deed from the 'Ophir Silver Mining Company' to W. S. Hobart dated October 23rd, 1869," (Parcel A) along with another parcel described as the southwest quarter of the northwest quarter of Section 26, this being the same property as described in a deed from J. G. Fair to Pacific Mill and Mining, dated December 22, 1875 (Parcel B). Fair had already conveyed a 1/2 interest in that parcel, parcel B, to the Nevada Bank of San Francisco on that same date (C-38), in addition to the interest transferred to Pacific Mill and Mining Company. There is no indication of the Nevada Bank of San Francisco conveying out its interest.

Later that month, on January 18, 1904, Louise Mackay and Clarence Mackay conveyed their interest in the property (apparently Mackay's 3/16) to Westerfield (C-40), Likewise, on January 21, 1904, Theresa Oelrich, Virginia Vanderbilt and James L. Flood (who was the President of Pacific Mill and Mining Co.) (C-39) conveyed their interest (apparently Flood & O'Brien's 3/16) to Westerfield (C-41). Westerfield conveyed Parcels A and B to Henry Combellick on April 16, 1904 (C-42).

On July 5, 1905, Ophir Silver deeded the southeast quarter of Section 27, and the west half of the southwest quarter of Section 26 to Henry Combellick and John Depaoli (C-43). On February 20, 1907, Combellick and Depaoli executed an agreement declaring that they each held a one-half undivided interest in property held by either of them (A-8). At this point, it appears that the entire Woodworth parcel was in the hands of Depaoli and Combellick.

Combellick deeded his interest in the property to Depaoli on March 13, 1914 (C-44). Depaoli entered into a sales agreement with Marsilio Sorani and Constantino Benedetti for Parcels A and B on January 30, 1915, excepting from the transaction "all that portion of the property lying on the "Northerly side of the Southern Pacific Railroad track, together with the dwelling house" on that side of the tracks (C-45). This agreement also contained the purchasers' agreement to assume two mortgages taken out by Depaoli, one held by Alfred Chartz, and one held by Margaret Mack (these mortgages are not included because the mortgage books were not searched).

On March 21, 1918, Benedetti assigned his one-half interest in the property to Alfred Chartz (C-46, C-47). These documents appear to be redundant, except that C-45 does not include Parcel B. Both documents are dated and recorded at the same time. Alfred Chartz agreed to transfer this interest to Marsilio Sorani and Cesira Sorani on March 10, 1919 (C-48). A deed on this same date from Depaoli's estate to Sorani conveys the entire interest in Parcels A and B to Sorani in consideration of the outstanding mortgage balance (C-49).

At this point there is an unexplained gap in the title history. The property again falls into the hands of the Chartz family through means which are not documented. On October 19, 1943, Emma Chartz, apparently the widow of Alfred Chartz, conveyed the property to her children, Helen Haley, Beatrice Chartz and John M. Chartz (C-50). The Chartz children conveyed the property to Pio Quilici on January 1, 1948 (C-51). Quilici, in turn, granted it to Mary Louise Darling on July 26, 1950 (C-52). There was an action to quiet title decided in 1953, which, although it did not affect the ownership of these parcels, resulted in a correcting deed from Quilici to Darling on August 3, 1953 (C-53).

Darling and her husband, Blake Darling, conveyed the property to John D. and Kathleen Winters on February 14, 1955 (C-54). In an agreement dated October 10, 1975 (not searched), the Winters transferred the property into the JohnD (sic) Winters Family Trust. On November 8, 1983, the Winters as co-trustees of the Trust, conveyed the property to Winters Sunrise Properties (C-55), a Nevada general partnership, completing the title history for this property. The current assessed owners of the historic millsite parcels are:

Current Assessed Owners

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Parcel No.	<u>Owner</u>
16-261-03 16-261-05 16-261-06 16-261-07	Winters Sunrise Properties c/o John N. Winters P.O. Box 2233 Dayton, Nevada 89403
16-261-04	Winters, John & Kathleen TRS P.O. Box 2233 Dayton, Nevada 89403
06-111-01	Dennis, Owen P.O. Box 4218 Carson City, Nevada 89702
06-111-02	Clinger, Donald & Sherrie P.O. Box 1291 Dayton, Névada 89403
06-112-01	DeMarzo, Frances L. P.O. Box 456 Dayton, Nevada 89403

06-112-02	Thurman, Demar
•	
06-112-04	Haas, Florence/Roger/Vicki E. P.O. Box 1551
•	Dayton, Nevada 89403
06-112-05	Firestone, Thomas E. & Dixie Lee P.O. Box 411
e.	Dayton, Nevada 89403
06-112-06	Ford, Vera
	P.O. Box 577 Dayton, Nevada 89403
06-112-27	Southern Pacific Transportation c/o Larry Bennett
	●One E First St. #904
•	Reno, Nevada 89501
16-151-06	Moffett, Melinda
	P.O. Box 83 Glenbrook, Nevada 89413
16-151-20	Serpa, John C.
	P.O. Box 1724 Carson City, Nevada 89702
	carson city, Nevada 69702
16-151-37	Bureau of Land Management
16-151-40	Bureau of Land Management
none	State of Nevada Department of Transportation (land under Highway 50)

The title tree, title abstract, and Preliminary Millsite Map for the Woodworth Millsite follow. The title documents are contained in Attachment II.

WOODWORTH MILLSITE

1 1								
DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	= DATE RECORDED	COUNTY	COUNTY	DOCUMENT NUMBER
07-23-1860	Deed	Joseph W. Hastings	John B. Winters	300 acres and mill 1/10 operated by Woodworth, Stewart, Hastings and others	10-04-1860	CCR Deeds C	215- 216	Also LC/CCR Deeds A/153-155 (C-1)
07-23-1860	Mtg.	John B. Winters	Joseph W. Hastings	against 1/10 of 300+ acres	10-01-1860	CCR Deeds B	621- 623	(C-2)
07-23-1860	Deed	Joseph Woodworth	Joseph W. Hastings	32½ / 100 of 320 acres and quartz mill operated by Hastings Stewart and Woodworth	03-14-1861	CCR Deeds · A	347	Also LC/CCR Deeds A/355-357 (C-3)
08-08-1860	Mtg.	Joseph Mosheimer Guido Kustel	Mrs. Mary Klein	against Woodworth & Hastings Quartz mill (10-stamps) and land (+30 Hungarian amalgomators)	10-01-1860	CCR Deeds B	623- 626	(C-4)
08-09-1860	Art. of Agree- ment	Quartz Mill of the Carson River Mining Company dba J. W. Hastings & Co.	Guido Kustel Joseph Mosheimer dba Mosheimer & Kustel	3 year lease for ground & water to erect and run a 10-stamp mill	10-02-1860 Carson City. Co.	CCR Deeds B	626 - 627	(C-5)
09-08-1860	Agree- ment	Mosheimer & Kustel	Joseph Sorber	Sorber paid \$4,000 to enlarge Mosheimer & Kustel mill aka Woodworth & Hastings mill. Conveys 1/4 of 10 stamp mill to Sorber	04-24-1861	CCR Powers	104	(C-6)
09-21-1860	Deed	Joseph Woodworth	William Stewart	17½ / 100 as in A/113-115	10-02-1860	CCR Deeds B	637- 638	Also LC/CCR Deeds A/115-117 (C-7)

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WOODWORTH MILTSITE (continued)

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DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	* DATE RECORDED	COUNTY	COUNTY	DOCUMENT NUMBER
09-21-1860 09-21-1860	Deed	Joseph Woodworth	William Stewart Joseph W. Hastings John B. Winters	30/100 as in A/113-115	10-02-1860	CCR Deeds A	638- 639	Also LC/CCR Deeds A/117-119 (C-8)
	Deed	James Walsh	Joseph Woodworth	र्रे of 37½ / 100 Mill and Property of Woodworth and Company (320 acres)	10-01-1860	CCR Deeds B	635- 636	Also LC/CCR Deeds A/113-115 (C-9)
09-24-1860	Mtg.	William Stuart Joseph W. Hastings John B. Winters	Joseph Woodworth	against mill and property of Woodworth & Co. (320 acres)	10-03-1860	CCR Deeds B	205- 206	(C-10)
09-24-1860	Mtg.	John B. Winters	Joseph W. Hastings	against shares of millsite (320 acres) and mill of Woodworth & Co.	10-24-1860	CCR Deeds -	303- 304	(C-11)
09-29-1860	Deed	William Stuart	John B. Winters	8-3/4 / 100 Mill of the Woodworth and Company and 320 acres	01-19-1861	CCR Deeds C	535- 536	Also LC/CCR Deeds A/209-211 (C-17)
10-29 & 10-30-1860	Survey of Land Claim	County Surveyor	Joseph W. Hastings John B. Winters William Stuart	525.79 acres including mill house and stable	11-26-1860	CCR Deeds D	001	(C-12)
12-03-1860	Mtg.	John R. Harold John Drynan	Joseph W. Hastings	against 42½ / 100 of Quartz Mill and millsite of Woodworth, Walsh & Co.	12-15-1860	CCR Deeds C	470- 471	(C-13)
12-03-1860	Deed	J. W. Hastings	John R. Harold John Drynan	42½ /100 location made by Woodworth, Walsh and Company also quartz mill now erected Deed incumbant on mortgage	12-15-1860		471- 473	Also LC/CCR Deeds A/191-192 (C-14)

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DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS A	DATE RECORDED	COUNTY BOOK	COUNTY PAGE	DOCUMENT NUMBER
12-03-1860	Deed	J. W. Hastings	John R. Harold John Drynan	41½ / 100 of location made by Woodworth, Walsh & Company and Quartz Mill now erected (encumbered by mortgage)	03-19-1861	CCR Morse A	372- 373	Also LC/CCR Deeds A/369-371 (C-15)
12-04-1860	Deed	Guido Kustel Joseph Mosheimer	John B. Winters	"Mosheimer Mill" consisting of 10 stamp Quartz Crushing Mill and Amalgomators and rights granted in B/626	12-12-1860	CCR Morse A	095	Also LC/CCR Deeds A/293-295 (C-16)
01-01-1861	Deed of Trust	John R. Harold	John Drynan	호 of 42첫 / 100 of mill and millsite formerly owned by Woodworth, Walsh & Co.	01-05-1861	CCR Deeds C	502- 504	(C-18)
01-01-1861	Mtg.	John R. Harold	John Drynan	1/2 of 42½ / 100 of mill and millsite formerly owned by Woodworth, Walsh & Co.	03-19-1861	CCR Mtg. A	057- 058	(C-19)
05-01-1861	Mtg.	Joseph Woodworth	John Drynan	42½ / 100 of millsite location made by Woodworth, Walsh & Co.	05-20-1861	CCR Deeds C	726- 727	(C-20)
05-01-1861	Mtg.	Joseph Woodworth	John Drynan	42½ / 100 of millsite location made by Woodworth, Walsh & Co.	05-20-1861	CCR Mtg.	108	(C-21)
05-20-1861	Satisf- action	John Drynan		notation in margin regarding satisfaction of D/T at CCR Mtg. A/57	,	CCR Mtg. A	057	(C-19)
03-01-1862	Deed	John B. Winters	William Stewart	28-3/4 / 100 Woodworth & Walsh location	03-04-1862	Deeds A	001- 002	(C-22)
01-13-1863	Deed	John B. Winters William Stuart Joseph Woodworth	Ophir Silver Mining Company (CA Corp.)	525.79 acres and Quartz Mill	02-04-1863	Deeds A	683- 685	(C-23)

WOODWORTH MITTITE (continued)

				1' 'ITE (continued)		.*		
A SADATE	TRNI	GRANTOR	GRANTEE	PROPERTY & COMMENTS	A DATE	COUNTY	COUNTY	
10-10-1866	Patent	United States of America	William M. Brisbois	SW 1/4 of SW 1/4 Section 26 (40 acres)	07-18-1867		PAGE 076	(C-24)
10-10-1866	Patent	United States of America	William M. Brisbois	(Certificate 1B) SE 1/4 Section 27 (160 acres) . (Certificate 1E)	07-18-1867	Deeds F	078	(C-25)
10-10-1866	Patent	United States of America	William M. Brisbois	N 1/2 of SW 1/4 Section 26 (80 acres) (Certificate 1C)	07-18-1867	Deeds F	077	(C-26)
06-01-1867	Deed	Lucy Frazier	Ophir Silver Mining Company	SE 1/4 of NE 1/4 Section 27 SW 1/4 of NW 1/4 Section 26	07-18-1867	Deeds F	079- 080	(C-27)
06-28-1867 	Deed	William M. Brisbois	Ophir Silver Mining Company	patents in Certificates 1A, iB, 1C, and 1E.	07-18-1867	Deeds F	080-	(C-28)
	Deed	Ophir Silver Mining Company (California Corporation)	W. S. Hobart	Carson River Mining Company, Woodworth or Ophir Mill interests in G/022-024 (Parcel A)	12-21-1869	Deeds F	082 665- 667	(C-29)
06-14-1870	.Deed	W. S. Hobart	3/16 James C. Flood and W. D. O'Brien dba Flood & O'Brien 3/16 J. W. MacKay 1/8 J. G. Fair	1/2 Woodworth Mill and . 529 acres Also 1/2 flume used to carry tailings to mill from Silver City	06-24-1870	Deeds G	014-	(C-30)
07-01-1870	(Mort- gage) Deed	W. S. Hobart	L. P. Drexler	1/2 tailings sent down flume 1/2 Woodworth Mill + 525 acres	07-08-1870		022-	(C-31)
7-01-1870	(AGT)	L. P. Drexler	W. S. Hobart	Clarification of indebtedness regarding G/022-024	07-08-1870		024-	(C-32)

WOODWORTH MILLSITE (continued)

DÂTE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY	COUNTY	DOCUMENT NUMBER
09-12-1870	Deed	L. P. Drexler	W. S. Hobart	1/2 Woodworth Mill + 525 acres	09-13-1870	Deeds G	069- 071	(C-33)
09-13-1870	Deed	W. S. Hobart	John W. Mackay J.G. Fair	1/2 tailings carried by flume 1/2 Woodworth Mill and 525 acres (intended as mortgage according to G/484)	09-13-1870	Deeds G	071- 072	(C-34)
01-06-1872	Deed	John W. MacKay James G. Fair	W. S. Hobart	1/2 525 acres and `Woodworth mill	02-07-1872	Deeds G	484- 486	(C-35)
12-15-1875	Deed	W. S. Hobart	Nevada Bank of San Francisco	1/2 Woodworth Mill + 529 acres (recorded at request of Wells Fargo and Company)	12-20-1875	Deeds H	284- 285	(C-36)
12-22-1875	Deed	James G. Fair	Pacific Mill and Mining Company	1/2 SW 1/4 of NW 1/4 Section 26 (Parcel B) (Recorded at request of Wells Fargo Co.)	12-28-1875	Deeds H	287	(C-37)
12-22-1875	Deed	James G. Fair	Nevada Bank of San Francisco	1/2 SW 1/4 of NW 1/4 Section 26 (Parcel B) (Recorded at request of Wells Fargo & Co.)	12-28-1875	Deeds H	288	(C-38)
01-02-1904	Deed	Pacific Mill and Mining Company Hobart Estate Company	W. J. Westerfield	Parcel known as Woodworth Mill property SW 1/4 of NW 1/4 Section 26 (Reference to Hastings and Company's quartz mill)	04-18-1904	Deeds N	660- 662	(C-39)
01-18-1904	Deed	Louise Mackay Clarence H. Mackay	W. J. Westerfield	Parcel A in F/665 Parcel B	04-18-1904	Deeds N	663- 665	(C-40)
01-21-1904	Deed	Theresa A. Oelrichs Virginia Vanderbilt James L. Flood	W. J. Westerfield	Parcel A in F/665 Parcel B	04-18-1904	Deeds N	665- 667	(C-41)

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WOODWORTH MITSITE (continued)

# 45 B# E T DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY	DOCUMENT NUMBER
04-16-1904	Deed	W. J. Westerfield	Henry Combellick	Parcel A Parcel B	04-18-1904	Deeds N	667- 668	(C-42)
07-05-1905	Deed	Ophir Silver Mining Company (CA Corp.)	Henry Combellick John Depaoli	SE 1/4 Section 27 W 1/2 of SW 1/4 Section 26	07-11-1905	Deeds O	033	(C-43)
03-13-1914	GBS Deed	Henry Combellick	John Depaoli	1/2 of SE 1/4 Section 27 1/2 of W 1/2 of SW 1/4 Section 26	03-24-1914	Deeds S	378	(C-44)
01-30-1915	Sales Agt.	John Depoali	Marsilio Sorani Costantino Bendetti	SE 1/4 Section 27 W 1/2 of SW 1/4 Section 26 (Parcels A & B)	02-06-1915	Misc J	052- 055	Document #12334 (C-45)
03-21-1918	Assign- ment	Constantino Benedetti	Alfred Chartz	Assigns 1/2 of J/52	03-23-1918	Misc .	490- 493	(C-46)
03-21-1918	Assign- ment	Constantino Benedetti	Alfred Chartz	Assigns 1/2 of Parcel A	03-23-1918	Misc J	482-	(C-47)
03-21-1918	Agree- ment	Alfred Chartz	Marsilio Sorani Cesira Sorani	Assigns interest received by J/490	02-15-1919	Misc J	599- 600	(C-48)
03-10-1919	Deed	Estate of John Depaoli	Marsillo Sorani	SE 1/4 Section 27 W 1/2 of SW 1/4 Section 26 (Parcels A & B)	03-13-1919	Deeds U	407- 409	(C-49)
10-19-1943	Deed	Emma Chartz	Helen Haley Beatrice E. Chartz John M. Chartz	NE 1/4 Section 27 W 1/2 of SW 1/4 Section 26	01-10-1944	Deeds 32	537- 540	Document #51035 (C-50)
01-08-1948	Deed	Helen Haley Beatrice E. Chartz John M. Chartz	Pio Quilici	SE 1/4 Section 27 W 1/2 of SW 1/4 Section 26 Portion of NE 1/4 of SW 1/4 Section 26	01-24-1948	Deeds 35	215- 218	Document #55506 (C-51)
07-26-1950	Deed	Pio Quilici	Mary Louise Darling	See Deeds 38/218 368.83 acres	09-23-1950	Deeds 36	282- 283	Document #58284 (C-52)

WOODWORTH MILLSITE (continued)

DATE	INST	GRANTOR	GRANTEE	PROPERTY & COMMENTS	DATE RECORDED	COUNTY BOOK	COUNTY	DOCUMENT NUMBER
09-01-1953	Quiet Title			No useful information on file - regards 5 acre portion not next to mills		·		Case #3432
09-08-1953	Corr Deed	Pio Quilici	Mary Louise Darling	SE 1/4 Section 27 W 1/2 of SW 1/4 Section 26 Portion of NE 1/4 of SW 1/4 Section 26	09-11-1953	Deeds 38	218-220	Document #64113 (C-53)
02-14-1955	Deed	Mary Louise Darling Blake Darling	JohnD [sic] Winters Kathleen M. Winters	Property now known as Winters Ranch	07-03-1956	Deeds 40	278- 280	Document #70984 (C-54)
10-10-1975	Agt.	JohnD [sic] Winters Kathleen M. Winters	JohnD [sic] Winters Family Trust	All property		·		Not searched
11-08-1983	Deed	JohnD N. Winters and Kathleen M. Winters as co-trustees of JohnD Winters Family Trust Agreement	Winters Sunrise Properties, a NV general partnership	Winters Ranch	02-23-1984	None	None	Document #83649 (C-55)

Nevada: the land of silver

SOURCE: NEVADA: THE LAND OF SILVER BY JOHN J. POWELL 1876

<u>Nevada</u>

On openlibrary.org

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.66 NEVADA,

many varieties; but in the chemistry of the operation there has been no change.

The foregoing description of the various milling processes by which the precious metals are extracted from the ore may be appropriately followed by a tabular statement of the number of the mills themselves, their capacity, etc., etc.

A List of Quartz and Tailing Mills

IN

LYON, ORMSBY, AND STOREY COUNTIES, NEVADA

IVON COUNTY

NAME.	Situation.	Tons Capacity:	Stamps
Devil's Gatevasses	Silver City	24	12
Pioneer	AND AND THE CALL OF THE ROOM SHOUND FOR MAIN YOUR	-30-	15
Bacon	ii.	40	20 **
Trench		40	20 .
Horn		20	IO .
Kelsey		30	15
Golden Age		10	5.
Hope	:	20	10
Excelsion	Gold Cañon .	20	IO
Sacramento	H.	25	I2 .

THE LAND OF SILVER.

EYON COUNTY—(CONTINUED).

SITUATION.	Tons Capacity	STAMPS.
Gold Cañon	2:5	1.2
	20 30	10 Tailings
"	I 20	60 20
	48	24
[G	300	Tailings
. Davton	25 300	ii ii
ii.	50 112	 56
Spring Valley	20	10 15
	Gold Cañon " Carson River " "	Gold Cañon 2.5 20 30 120 40 48 20 300 25 300 25 300 25 300 25 300 25 300 300 300 300 300 300 300 300 300 30

ORMSBY COUNTY.

art et a				RS:	(A. 17)
Name:	LOCATION.	Motive.	KMP.	TIE	o. D.
			ST	SEI	To. Per D
Mexican	Empire	. Water	44 20	IO	1.20
Yellow Jacket « Brunswick		Steam	4013	6	ם כי
Aerrimae	Carson Rive	r Water	56 26	13	150
7ivian	4.71		2013		45
antiago 💮 📜		100	16 8 34 9	7 18	40 80

These mills are all kept running on Comstock ores, brought from the mines and delivered by the Virginia and Truckee Railroad.

STOREY COUNTY.

NAME.	LOCATION:	Motive.	STAMPS:	Tons Per Day.
Boston	ic gray a	Steam,	5 K	I.5
Succor	"	u . u		25
Pacific	***		30	
Pappoose		a a	5 20	50
Douglas	u.	44	I5 I5	30 45
Petaluma	had be seen to the	u.	24 15	75 40
Rhode Island	Control of the Contro	:: ::		50 18
Sunderland	Virginia	2	10 18	5. 6.5
	T., Seven-mile Cañ.		20 5	50 I3
Mariposa		u u	I 2 20	30 50
Winfield	Seven-mile Cañ.	:	20	50
Landy		2 2	I 2 20	30 50
De Lands	Virginia	ii i	I 5 20	35 50
Park & Bowie No. 1	Six-mile Cañon.	tt.	15 · ·	40
Park & Bowie No. 2 Occidental	 Silver Star Dist.	û u	 20	 50
Lady Bryan	Six-mile Cañon.		IO	···

necessary to sink several hundred feet further to obtain the same ol. Powerful hoisting works have been erected at each one of the Ins. In No. 2 a large amount of water has been encountered. When pumps are allowed to stop it rises to within three hundred feet of surface. A large machine shop has been erected at Sutro for the nufacture of all the machinery to be used by the company. There is where a store supplied with everything necessary for use at the difent works. These are issued as they are needed. The formations bough which the tunnel has passed so far, are: for the first seven hund and fifty feet, conglomerate; then trachyte three hundred and the feet; after this a belt of clay one hundred and fifty feet; and in comes one thousand seven hundred and fifty feet of porphyry; in three hundred and ten feet of trachyte. It is calculated that the anel will be completed to the Comstock lode in from two to two and a If years from the present time, providing no unlooked for obstacles met with in the prosecution of the work.

MILLS.

The following list of quartz and tailing mills was made by Mr. George traden, County Assessor:

		 		
Name	Situation.	Capacity, tons.	Stamps.	Condition.
		1 11 1	1	
Devil's Gate	Silver City	24	12	running
Moneer	Silver City	30	15	running
acon	Silver City	40	20	running
french	Silver City	40	20	running
lorn	Silver City	20	10	running
Loisey	Silver City	30	15	running
Iclsey. Molden Age	Silver City	10	5	running
aHope	Silver City	20	10	running
	Gold Canon	20	10	running
Ricelsior	Gold Canon	25	12	idle
สีงพลทธeย	Gold Caffon	25	12	idle
Swansea	Gold Canon	20	10	running
3 Keyston A	Gold Canon	30	Tailings.	running
Abreks	Carson River	120	60	running
Franklin	Carson River	40	20	running
Woodworth	Carson River	48	24	running
Island	Carson River	20	10:	idle
Carson Valley	Carson River	300	Tailings.	running
Desert	Carson River	25	Tailings.	running
Birdsall & Co	Dayton	300	Tailings.	running
Reservoir	Dayton	50	Tailings.	
Rock Point	Dayton	112	. 56	idle
Spring Valley	Spring Valley	20	10.	running
Daney	Spring Valley	30	15	idle
			; #s	
the state of the s	<u> </u>	<u> </u>		

871 \$1872 DEVIL'S GATE DISTRICT

Is situated in Gold Canon. Silver City is about its central point mines here were worked several years ago, but for a long time were idle, and some of them abandoned. Work, however, he resumed here lately, and the prospects of this district never more encouraging than the present.

AVTON.

This mine is located in Silver City, on the south side of the The old works on this mine are a tunnel, in which a shaft was su hundred feet. A new shaft has been started, which has reached of one hundred feet. New steam hoisting works are to be erect it in the Spring. Ore from this mine is extracted in sufficient que to keep the Atlanta Mill—ten stamps—constantly running. This of the earliest locations in the district. Nothing was done on number of years. During the past Summer work was resumed—works cleaned out, and a new shaft commenced.

BUCKEYE

This mine is located one mile east of Silver City, in Long's Rav is also one of the old locations. Steam hoisting works have been here, but everything was abundoned, and nothing done for a lon Two years ago work was resumed, and new steam hoisting work erected. An incline is down a distance of six hundred feet. Tw. Horn and Hope, each ten-stamp, are supplied with ore from this Water in considerable quantities is found, requiring an eight-inch to keep the mine clear. This water is carried by flumes around to City, and supplies the Bacon and Trench Mills.

COOK & GEYER.

This mine is located about three quarters of a mile north of City. A great amount of work was done on it last Summer, and to obtained here kept the Franklin Mill running. It has been idled last three months, but work will soon be resumed again.

DANEY

This mine has been abandoned. Some good ore was here no surface, and worked out years ago. Since that time hundreds of sands of dollars have been expended in prospecting for other boore, but nothing of any consequence has been found. Work has stopped and renewed again several times. During the excitement spring the owners were again inspired with the hope of finding thing in this mine, but after several months of work they have given and will remove the hoisting works and other material of value.

BIENNIAL REPORT OF THE STATE MINEROLOGIST REPORT OF THE NEVADA

1869-1870

Within the past two years twenty thousand tons of ore, yielding on an average \$17 per ton, have been obtained from this mine, nearly all from the upper levels. The deepest openings are eight hundred and fifty feet below the surface. At this depth the vein is nearly barren, showing only traces of gold and silver.

LUCERNE MINE.

This mine is situated near Devil's Gate, Silver City, southeast from Gold Hill. It is opened by a shaft and tunnels to the depth of three hundred feet. The vein is well defined and the walls have clay liningso The ore produces on an average \$10 per ton. The bullion assays \$3 50 per ounce in silver, and \$6 50 in gold. The ore is easily reduced, and the mine is worked without difficulty. The vein dips east about 45°. The country rock on the west is granite; on the east it is propolite.

WALLER'S DEFEAT, ST. LOUIS, SUCCOR,

And other mines are on the same vein, and are worked very similarly to the Lucerne, and have the same characteristics and productiveness.

LYON COUNTY.

The natural resources described in my last report as peculiar to this county, have undergone but little change. Some developments have been made, but the results are not particularly marked. Public schools and churches have been prospered, and some improvements are perceptible.

The official returns fix the popular vote, at the last general election, at six hundred and thirteen, being two hundred and eighteen less than the

vote cast two years ago. The mines in Spring Valley District, three miles west from Dayton, have recently received some attention—several abandoned claims have been relocated, and a mill with ten stamps is being erected.

In Devil's Gate District, ore of a low grade is being extracted from the Hope, Buckeye and other mines. These mines were never developed to a great extent, and will probably produce large quantities of ore.

Owing to the fine water privileges afforded by the Carson River, and the facilities of access to the mines, principally in Storey County, there are a large number of mills in Lyon County.

The Atlanta has ten stamps and six pans. The Birdsall has thirty stamps and forty pans. The Bacon has twenty stamps and ten pans.

The Carson Valley has twenty stamps and ten pans.

The Daney has twenty stamps and ten pans.

Dayton Reduction has six pans. Devil's Gate has twelve stamps and ten pans. Excelsior has ten stamps and twenty pans. Eureka has twenty stamps and eight pans. Eagle Mill has two pans and four arastras. Franklin has ten stamps and four pans.

Island has ten stamps and four pans. Illinois has twenty stamps and six pans. Keystone has five stamps and six pans. Kelsey has fifteen stamps and six pans. Pioneer has fifteen stamps and ten pans. Phœnix has fifteen stamps and ten pans. Rock Point has fifty-six stamps and forty-three pans.

Swansea has twelve stamps and ten pans. Sacramento has fifteen stamps and eight pans.

San Francisco has ten stamps and eight pans. Sherman has five stamps and four pans.

Tailings Mill has two pans.

Woodworth has twenty-four stamps and twelve pans. Winter's has two stamps, two pans and two arastras.

Weston has fiften stamps and nine pans.

French has twenty stamps and eighteen pans. The copper mines, twenty-five miles southeast from Dayton, are not worked. The Description of the confidence of the confide

This tunnel was commenced in 1869, and has been prosecuted with commendable energy. It is run westward from the face of the foot-hills north of Dayton, so as to intersect the Comstock ledge at right angles at the depth of two thousand one hundred and seventy-two feet. It has been driven sixteen hundred and fifty feet. A stream, affording about twenty-five inches of water, flows from it. No valuable veins of ore have as yet been found.

It is proper to state that a large number of the mills are not running.

the supply of ore having ceased.

CHURCHILL COUNTY.

There has been but little progress in the developments of the natural resources of this county within the past two years. The completion of the Central Pacific Railroad withdrew the travel and transportation almost entirely from the Overland Mail Road; consequently business ceased, and many of the stations along that road have been abandoned. The agricultural lands along the Carson River and about the Carson Lake and Sink have produced well.

The popular vote of the county at the late general election was eighty-

seven; sixty-four votes less than were cast in November, 1868.

The soda mine, near Ragtown, has been opened to the depth of twelve or fifteen feet. It is situated in a small basin on the southwestern border of the desert surrounding the sink of the Carson and Humboldt Rivers. There is a pond or small lake near by, perhaps three quarters of a mile in length and from a quarter to half a mile in width, and said to be of great depth.

The water collects in the soda basin during the miny season, and afterward gradually evaporates, leaving the soda beautifully crystalized over a space of from one to two acres in extent. From the developments recently made, it seems that this deposit has an unknown depth, and consists

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Record-Bangina minatiberen et justice this mornin the times with there then Cotter, arthe wife of the table, fer disturbing the was fine harged, John Die, arrested free will be tried this

per day; twenty-two this quartz crushed per day, from the Crown Point mine.

Thernix M., No. 2.—Under the supervision. of the same parties as the Phœnix No.1; twenty stamps, thirty-four pans; eighteen men employed; six and a half cords wood send per day; thirty tens quartz crushed per day, from the Crown Point mine.

Swansea M.-J. Tregloan, proprietor; Sam Juhns, Superintendent; steam power, fourtern stamps, twenty-two pans; ten men empieved; two cords wood used per day; twenty tons quartz crushed per day, from the Empire

Dodge M.-Was closed, and we were unable to gather the facts.

Excelpor M.-J. Briggs, proprietor; Forbes, Superinteudent; steam power, eight stamps, twelve pans; nine men employed three cords wood used per day; ten tons wartz crushed per day, from the Yellow Jacket mine.

Nacramento M.—Bacon, Woodruff, Hunt's Moore, proprietors; J. W. L. Hunt, Superintendent; steam power, twelve stamps, twelve pans; twelve men employed; four and a half cords of wood used per day; eighteen tons quarts crushed per day, from the Belcher mine.

Coue à Co.'s M.—Cole & Co., proprietors; F. Brant, Superintendent; water power, five stamps, four pans; five men employed; one and a ball cords wood used per week; three tons quartz crushed per day, from the Imperial mine.

Monitor M .- Hirschman & Mayo, proprietors and Superintendents; water power, five stamps, five pans; four men employed; two cords wood used per week; five tons quartz

Weston & Co.'s M .- Weston & Co., proprietors; water power, ten stamps, six pans; four men employed; three cords wood used per week; three tons quartz crushed per day,

from the Enterprise mine.

Weston & Co.'s Management proprietors as above; steam power, fifteen stamps, nine pana; eight men employed; twenty-six cords wood used per week; twenty tons quartz crushed per day, from the Enterprise mine. Eureka Hill—Durker, Hurd & Co., pro-

Eureka Mill-Durker, Hurd & Co., pro-prietors; M. S. Hurd, Superintendent; water leiwer, twentty stamps, ten pans; eleven men employed; one cord wood used per day; twenty tons quartz crushed per day, from the Yellow Jacket mine.

San Francisco M.-Schad, Dasher, Bremen & Itgen, proprietors; C. Schad, Superintendent; water and steam power, ten stamps, three pans; ten men employed; one cord wood used per day; fourteen tons quartz. crushed per day, from the Yellow Jacket. mine.

Daney M .- Daney Company, proprietors; H. B. Truett, Superintendent; steam power, nsteen stamps, fisteen pans; sourteen men employed; six cords wood used per day; twenty five tons quartz crushed per day, from the Savage mine.

Atlantic M.-Treglone & Co., proprietors; G. W. Cook, Superintendent; water power, two arastras; two hands employed; three tons quartiferushed per day, from the Gray & Coak mine.

Franklin M.—Treglone & Co., proprietors; Wm, Johns, Superintendent; water and steam power, ten stamps, nine tubs and pans; ten men employed; one cord wood used per day, twelve tons quartz crushed per day, from the Yellow Jacket mines?

Island M.—Belonging to estate of Levi

Hite : H. L. Robey, Superintendent ; water power, ten stamps, eleven tubs and pans; eleven men employed; three cords wood used per week ; nineteen tons quartz crushed per

day, from the Savage mine. Stewart & Winters' M.—Blanding, Superintendent; water power, ten stamps.

New Ophir M.—Ophir Mining Company, proprietors; steam power, twenty-four

FOR SALE:

Acids, Blue Stone, Copperas, Oils, Paints, Sal Ammoniac, Drugs, Medicines,

Glassware, Hostetter's Bitters, Herbs, WHOLES Patent Medicines,

Varnishes, Crucibles, Perfamery, &c.

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The largest and finest assortment of

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Etc., to be found on the Pacific Coast, from the Laboratories of Lubin. Penaud. Celle Bros. Also from the most renowned English and American Perfamers.

BRUSHES:

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PATENT MEDICINES.

FILL NEWS 6/5/1865

M. CORNELL, Graduate of the Philadelphia College of Pharmacy. (Class 1348)

A guarantee is offered that Prescriptions and

Medicines will be dispensed accurittely.
REMEMBER Jones' Building, four doors South

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PIANOFORTES STEINWAY & SONS

Were Awarded the First-class Prize Medal -AT THE-

GREAT INTERNATIONAL EXHIBITION Held in London, 1862,

FOR POWERFUL, CLEAR, BRILLIANT and se spathetic tone, with excellence of workmanship.

There were 269 Pianos entered for competition from all parts or the world.

A constant supply of these instruments to be tound at

DALE & CO.'S, VIRGINIA. They having been appointed sole Agents for the the State of Nevada

Pianos to rent, tuned and repaired.

HORSE SHOEING!

Shop Adjoining Sacramento Wagon Shop.

AVING RENTED THE SHOEING DE-partment of the Sacramento Wagon Shop, I am now prepared to do all kinds of borse shoeing promptly and to order. Having made Horse Shoeing my exclusive business for many years, I am safe in saving that those who patronize me, will not go away dissatisfied. Try me.

ju3 m D. BLACK

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FOUNDRY ASSOCIATION:

Notice to All who May be in Want of Castings and Machinery !

THE EMPLOYEES OF THE PIONEER Foundry, having leased the same, most respectfully announce to the public that they are now prepared to receive brders for Castings and Machinery, of all descriptions. All orders will be

filled with promptness and dispatch;
A. J. TYRALL. Superintendent
Gold Hill. Oct 20 1264.

FIEBUSH & DURKEE,

Watch Makers

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Tabular list of mills crushing ore from mines of courte Comstock lode during the year 1866.

	1			SUCCESSION CONTRACTOR	ж (оа	le dur	ing the	yea	r 18	366.		•			
							STAMP	3.	ب ه دادد :	WHEEL	s.	w	ATER	w	ood.
Names, Owners.	Location.	When built,	Estimated cost. Appendix Control of the cost.	College powor.	Ногве роwer.	Number.	Weight, pounds.	Drop in inches.	Drops per minute.	Kind.	Diameter, feet.	Fall, feet.	Amount, inches.	Cords per day:	Cost per cord.
STOREY COUNTY.															
Atlas Haggin & Tovis Atweed's George Atwood Bay State Bay State Mill Co Bowers L. S. Bowers	Flowery (Six Mile-Creck) American Flat		35,000 (10,050)	- <u>- 1</u>	36	15 16 23 20	600 { 10-600 }	9	70					43 41 6	\$13
Central J. B. Dickenson. Orown Point (1) Crown Point G. & S. 1 Cumet (4) New York & Novada Douglas (1) C. S. Wheeler	Virginia M. Co. Crown Point Ravine, (G. H.) M. Co. Gold Hill Laver Gold Hill	1862	75,000, 57, 60 40,000, 30, 60 40,000, 12, 40 40,000, 12, 40		35	13 8 16 10	{ 10-700 } 500 650	9	70	***************************************		1 1		8 5 43	14 14 14 124
Eclipse M. & M. Co. Empire. State. Wm. Sharon, Agent. Empire No.1 (1). W. S. Hobart Empire No. 2 (1) Empire M. & M. Co. Cold Hill Gold Hill Q. M. & M.	Seven Mile Canon Virginia Lower Gold Hill	. 1860 1860	35,000 B;800 75,000 12,000 80,000 26,300		60 60 45	15 15 16 16	650 650 { 6-750 }		80					4 5 5 8	14 15 14
Gould & Curry Gould & Curry M. Co Hoosier State Clark & Hearst. Imperial Imperial S. M. Co Lagi's Cbarles Land Maripose. J. V. McCurdy	Seven Mile Canon Virginia Lower Gold Hill Seven Mile Canon	1862 1860	. 380,000 305,466 3 40,000 144,726 3 75,000 25,000 60,000 15,500 20,000 146,60		20 60	80 8 44 20	750 600	 9 8	70	, , , , , , , , , , , , , , , , , , ,				20 31 6 51	14 14 14
Marysville (1). O'Neale, Rule & Glasi Ggdön O'S Carvill. Pacific. Sharon & Co. Petatrima (1). Greely Bros Pitte (2). M. Livingston	er Lower Gold H.ll. Virginia: Lower Gold Hill. do	1863	50,000 10,000 50,000 21,000 75,000 45,000 30,000 15,05		80 30 60/	(1) 12 9 22 30 10 20	650 700 650	10	72					4 5 6 8 3	14
Rhode Island Crown Point G. & S. I. Rigby & Co. Rogers's (1) Rigby & Co. Sepphine W. S. Hobert. Sundous A. Bassett & Co.	4. Co. Gold Hill American Fint. Soven Mile Cañon' Lower Gold Hill Soven Mile Cañon	1862	100 000 451000 25 000 10 462 25 000 10 462 25 000 16 450 25 000 15 100 25 000 25 100 25 000 25 100 25 000 25 100 25 000 25 100 2		(1) 150 45		650 750	10 ••••	80 80					54 4 31 5	14 14 13)
Stevenson's (1) C. C. Stevenson Succot (1) C. O. Stevenson Summit Mason Carville & Wr Unlor Win-Kidd Winfield L. A. Booth	Gold Hill Lower Gold Hill ght Virginia Gold Hill	(1)	15,000 55000 550,000 50,000 52		40	(2) 8 20 20 14	500 625 { 10-650 } { 4-500 }	6 10	76 70 60			15		21 6 21 21	14 214 14
Total33	Seven bine Chilori		2,000,000 033,784			18				••••••				5. 180‡	
LYON COUNTY. Bicon Love & Fair	Silver City	1863	\$85,000		60	20	720	10	75				=		
Birdsall & Carpenter Cole & Co. Confidence	Dayton Johntown Silver City Dayton	1865 1864 1861 1861	(1)110,000 10,000 35,000 50,000 40,000	1000 1000 1000	20 35	30 5 (1) 12 20	613 480 900 600	9 9	85 65 75	Overshot2—central discharge	51	12	1,500	8 1 2 5	\$1 10 10 8¥
Davey Daney M. & M. Co. Esgle Enstern Slope Stevenson, Winters & Eureka Whooler, Hurd & Dun Excelsjor John Briggs	3 miles from Dayton	1863	70,000 (200 (200 (200 (200 (200 (200 (200	100 (2) 100 (2) 100 (2)	60 45 60	15 15 5 12 20 10	800 550 400 1,100 650		50	Overshot	37		100	5 6 6 3	.8 1 .ii
Franklin Wm. Sharon, agent	Carson River, near Dayton Silver City Carson River, near Dayton	1861 1861 1861	50,000 40,000		30 40	10 15	650 600 700	9	22-10	Central discharge				21 2 6 31	12)
	do	1801 1862	30,000 250 250 250 250 250 250 250 250 250	Median Comment	30 50 25	10	450 1.	81	(-Overshot Centrol discharge	2 4.5	1	3, 600 1, 800	5 6} 4	10, 10
Phonix No. 1 (1) Hentschand Berton. Ploneer (1) Sheldon & Hickok Sucramento (1) Hunt Woodriff & Co. San Francisco Charles Schad Swansen W Sharon, agent.	Below Silver City Silver City Johntown Caren River peer Deuten	1861 1861 1861	75,000 40,000 40,000 50,000 40,000 40,000 60,000 10	Billing 210 G Billing water 1 18 S	40 45 45 10 30 40	24 16 15 12 10 12				Furbine		14	••••	6 5	10

Tabular list of mills crushing ore from mines of

We were lode during the year 1866—Continued.

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•	Names.	Owners.	Location.	<u> </u>	city.		10 10 10		-			ļ	. *				ng car month.	
				When built	capa					Wheeler.	Нервига.	. Avc	Settlers.	Agitators	Breakers.	Grinders.	Crushing m	
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	STOREY COUNTY.									· · · · ·								
	Atlas Atwood's	Haggin & Tevis George Atwood	Lower Gold Hill	1861	25 20	25 41 20 20 20 20 20 20 20 20 20 20 20 20 20	\$250		20	2	8	` 	. 4 Ω	6, 476 4; 4 4; 4°,			750 000 1, 100	. •
	Bay State Bowers' Central	Bay State Mill Co L. S. Bowers J. B. Dickenson	American Flat. Crown Point Ravine, (G. H) Virginia.		25	35 01 (2) 25 11 (2) 10 (3)	250 (1) 100		(2) 30	14	(2) 4		(2) 4	i			750 670	
	Crown Point (1)	Crown Point G. & S. M. Co. New York & Nevada M. Co.	Crown Point Ravine, (G. H)	1862	20	8 0	(1) 100 75 11 950	6	8		Nov			1:			250 600 415	
	Donglas (1) Eckipse Empire State	C. S. Wheeler Eclipse M. & M. Co Wm. Sharon, agent	Lower Gold Hill	1862	25 15	16 17 25 27 17 17 17 17 17 17 17 17 17 17 17 17 17	75 300		(1) 20	2	8		4			₃	700 700 *900	
- 3	Empire No. 1 (1) Empire No. 2 (1) Gold Hill	W.S. Hobart Empire M. & M. Co. Gold Hill Q. M. & M. Co	Virginia Lower Gold Hill Gold Hill	1860 1860 1860	30 33	80 11 77 33 11 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	300		24	13			6 4				1,000 475	
	Gould & Curry Hoosier State	Gould & Curry M. Co Olark & Hearst	Seven Mile Canon	1862	100	00 Ba	200	(1) 5	(1) 24		39	3	DI.	3 2			3,500 400 1,100	
	Imperial Land's Mariposa	Imperial S. M. Co	Lower Gold Hill. Seven Mile Canondo	1860	30	30 37 37 37 37 37 37 37 37 37 37 37 37 37	300 1 150		3	10 6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(2) 5		(B) 1	2	1,000 600 500	
Č.,	Marysville (1) Ogden Pacific	O'Neale, Rule & Glasier O. S. Carvill Sharon & Co	Lower Gold Hill Virginia Lower Gold Hill	1863	18 20 50	18 17 22 20 20 20 20 20 20 20 20 20 20 20 20	75 400			12 15			(1) 5			5	1,000 1,305 300	
	Petaluma (1) Piute Rhode Island	Greely Bros :	dodb	1863 1862	40	12 1 40 40 40 50 12 40 50 12 40 40 40 40 40 40 40 40 40 40 40 40 40	150 300		(2) 13		12 8		(1) 6	2	1	i	1, 200 1, 350	
	Rigby's (1) Rogers' (1)	Rigby & Co	American Flat	1862	13 12		400 150					5 :	4	\	(i) 1		400 360 850	
	Sapphire. Simeooc Stevenson's (1)	W. S./Hobsrt. A. Bassett & Co. C. C. Stevenson	Lower Gold Hill Seven Mile Caffon Gold Hill	1861	25 5	5 THE REST OF THE	250 30	3	56 10	(1) 4 (3) 1	2						700 150 600	r. 1
n I	Summit Summit Union	O'Nosle, Rüle & Co Mason, Carville & Wright. Wm. Kidd	Lower Gold Hill Virginia Göld Hill	(1) 1861	26 35 14	20 22 35 35 30 40 40 40 40 40 40 40 40 40 40 40 40 40	150 300 200	14		11	13.	(2) 1	4	1 1			900 400)
	Winfield	L. A. Booth	Seven Mile Callon		30	30 33 5				91	8	9	101		(B) 1	8	26, 820	
	Total 33	,			.846		5 380 26 mills.	27	305	31		 			. =====		-	•
	LYON COUNTY. Bacon	Lowe & Fair	Silver City	1853	30	30				17	 		. 4	. 3		ı	1,900	1
	Birdsall & Carpenter Cole & Co. J Confidence	Birdsall & Carpenter Cole & Co Confidence M. Co	Dayton	1865 1864 1861	75 5 14	5 5 6				20 4		8	(2) 10		(B) 1		125 650 500	; }
- 2	Dayton No. 1 Dayton No. 2 (1)	Winters, Küstell & Cododo	Daytondo	1861 1864	20 30	20 30 7 7 5 6 6	72			6		8	(2) 2	(3) 2			800 500)
-0	Daney	Daney M. & M. Co Stevenson, Winters & Co	3 miles from Dayton Silver City Below Silver City	1863 1864 1862	20 1 20	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$15	2		6		(1) 3	1 2			550 1,100)
	Eureka Excelsior Franklin	Wheeler, Hurd & Dunker John Briggs Wm. Sharon, agent	Carson River, near Dayton Johntown Carson River, near Dayton	1861 1861 1861	22 18 16	18 5 5			18	10	2		1				500) }
	Gold Callon Reduc-	Wm. Sharon, agent	Silver City	1861	25	25 32 10 20 20 20 30			(1) 7		. 6		- 1				1600 500	, (
. '	Colden Eagle lilinois Imperial (Rock Pt.):	Imperial M. Co	Carson River, near Daytondododo	1861 1864 1661	18 18 90	18 / 10 00 00 00 00 00 00 00 00 00 00 00 00		(1) 27	24		6 14			3	(B) (2) 1		500 12,400 500) }
	Island Monitor	O'Neale, Rule & Co Hirschman & Co Ophir S. M. Co	do do do Gold Cañon, near Dayton Carson River	1862 1865 1864	19 3 40	19 75 8 7 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -				2	12			1			75 1, 200 500	5
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-	San Francisco Swansea	Conries Schoo	Carson River, near Dayton Johntown	1861 1862	18 14 20	00 4		(1) 22			3			3	::::::::		500 600	1

1750 tons per month; October 15, 1866. Now 2,800 tons.

REPORT

OF

J. ROSS BROWNE

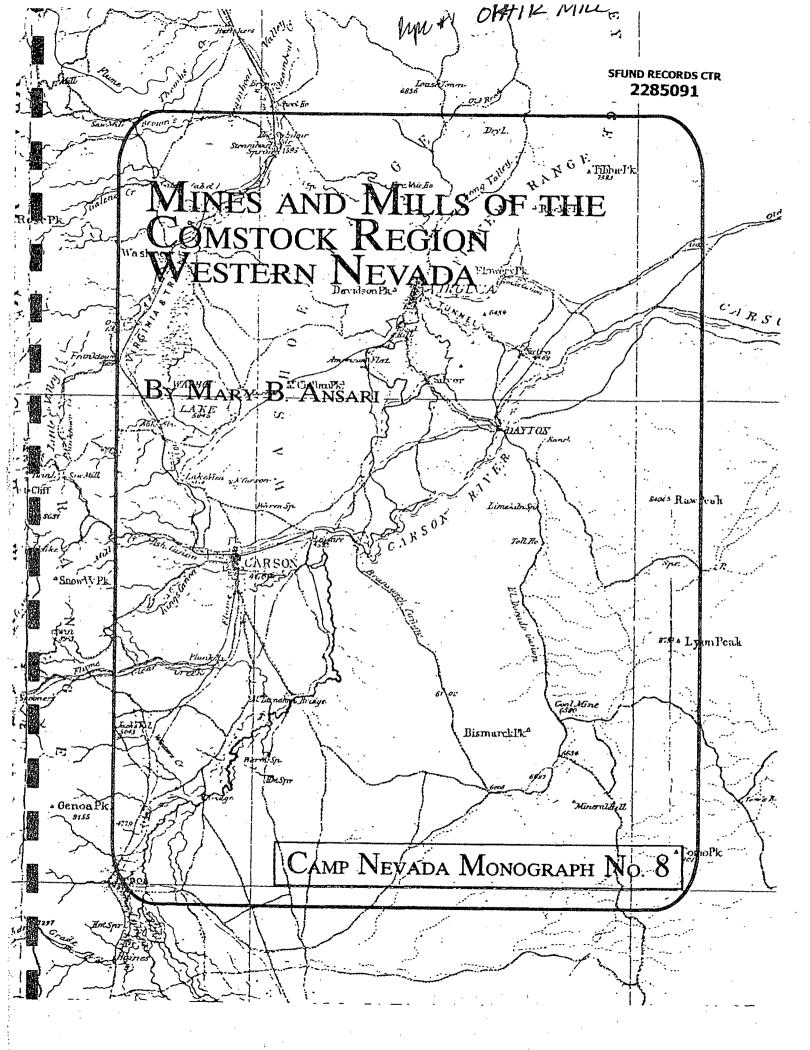
ON THE

MINERAL RESOURCES

OF THE

STATES AND TERRITORIES WEST OF THE ROCKY MOUNTAINS.

PUBLISHED BY H. H. BANCROFT & CO.,
SAN FRANCISCO, CALIFORNIA.
1868.



Carson River Quartz Mill: Kelly's 1862 directory reported this mill to be located above Dayton on the Carson River at a site known as Camp Woodworth. The mill's proprietors were Joseph Woodworth, William M. Stewart and John D. Winters. At that time it had 10 stamps, 4 large arastras, and 10 employees and was crushing ore at a rate of 20 tons a day from the proprietors' claim in Gold Hill, known as the Henderson claim. Kelly went on to say that with its several out buildings, the mill give the appearance of being a hamlet. One of the first mills on the Comstock, the Hastings & Woodworth Mill, was earlier located on the same site. Later the New Ophir Mill was built on the same site (Comp, 1980; Kelly, 1862, 218).

Ophir Mills: Two mills which were situated on the Carson River above Dayton and below the Island Mill. In 1865 the New Ophir Mill was listed as being owned by the Ophir Mining Co. of Virginia City, as having 24 stamps and 15 pans, burning 4 cords of wood per week, employing 15 men, and reducing 35 tons of Yellow Jacket ore a day. It was built on the site of the Carson River Quartz Mill. In 1866 it was listed as being powered by steam and water, as using 2 1/2 cords of wood a day, and as having the same number of stamps and pans and same capacity as in 1865. The 1875 map of the survey of the Virginia & El Dorado Railroad shows an Old Ophir Mill located above the New Ophir Mill. In 1868 the New Ophir Mill was owned by William Sharon's Bank of California. It operated as a tailings mill from 1873-1883, at which time it was owned by Fair and Mackay (Comp, 1980; GHN, 1865, June 5, 3:2; Map of Survey of the Virginia & El Dorado Narrow Gauge Railroad, 1875; SMR, 1866, TE, 1868, Jan. 21, 1:2).

Woodworth Mill: Shown on Wheeler's 1876-77 map as situated on the northwest bank of the Carson River approximately one mile above Dayton. The 1869-70 State Mineralogist's Report reported it to be a 24-stamp mill with 12 pans, and in the early 1870s it was listed as having the same number of stamps and a 48-ton capacity (SMR, 1869-70, 15; 1871-72, 100; Wheeler, 1876-77, map).

Sprouls Mill: Small Carson River mill which was located above Dayton between the Barton & Co. and Carson River Quartz mills. In Kelly's 1862 directory it was listed as Sproul & Co.'s Excelsior Mill and reported to have 10 stamps and 20 Hungarian pans, to employ 15 men, and to process ore from the proprietors' Gold Hill claim. The proprietors were J.R. Sproul, C.C. Goodwin, Levi Hite, and J.R. Brett. The mill and dam cost approximately \$5,000 (Bancroft, 1862, map; Kelly, 1862, 218).

Birdsall & Carpenter Mill: Dayton mill reported in 1865 to have 20 stamps and 10 pans, to burn 1 cord of wood a day, to reduce 30 tons a day, and to employ 10 men. In the 1866 State Mineralogist's Report it was listed as a water-powered mill using 2 cords of wood a day and having 30 stamps, 20 Wheeler pans, and a capacity of 55 tons a day. In the 1869-70 State Mineralogist's Report it was reported to have 30 stamps and 40 pans, and in the early 1870s it had been converted to a tailings mill with a capacity of 300 tons per day. The buildings were torn down in the early 1900s (Comp, 1980; GHN, 1865, June 5, 3:2; SMR, 1866, 149; 1869-70, 14; 1871-72, 100).

Sutro Mill: When Adolph Sutro, later of Sutro Tunnel fame, first settled on the Comstock, he operated this mill, which was located slightly below Dayton between the Solomon Davis and Old Dayton mills. It was erected in 1861 and was one of the early mills in the area. Kelly's 1862 directory reported it to have 10 stamps and a 12-ton-a-day capacity and to employ 10 men. At that time it was processing ore from the Gould & Curry Mine in Virginia City. The mill burned in 1863, and it was rumored that the fire had been deliberately set in order to collect the insurance. An account in the Territorial Enterprise in 1874 relates that Sutro never was indicted for arson in Lyon County even though there was a Grand Jury investigation at the time. One man died in the fire, and the property was

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SOURCE: MINES & MILLS OF THE CONNSTOCK REGION WESTERN NEVADA

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CEÓLOGY AND MINING SERIES No. 34,

vadas metal and mineral PRODUCTION

(1859-1940, Loclusive)

By Bindraind E. Couch, Biograph and Jan A. Candingur, Diagrap devand simue engreau on minus



Publication of the Indivada Static Boneau of Mines and the Mackay School of Mines jas a Carmaner Director

IV Metal & Mineral Production \$4.00

PROPERTIES REPORTING PRODUCTION	on of \$5,000 or	MORE-Con	tinued
	Period	Tons	Gross wiel
Humphries, D. W.		1,206	\$18,900
Independence Mining Co.		4,774	314,452
Jackson Mill	1898–1903		32,66
Jan, Lewis, Jr.		9,038	93,90
Jaqua Brooks & Co	1884–1887	********	15,750
Kelsey Mill			13,400
Keystone Mill	1871–1875		80,648
King, Carrie	1935	********	6,017
Likens & Rulison	1871–1874	1,432	12,366
Little Bonanza	1883–1884		5,300
Lyon Mining & Milling Co		147,795	605,586
Milwaukee Mine		2,003	$40,\!572$
Nevada Mining Red. & Power Co.	1907–1911	17,512	192,810
Nevada Reduction Works	1903-1907		138,609
Oest Mining Company	. 1887–1892	6,588	564,364
Ora-Neva Dredge	1940		127,577
Pacific Mill Company	. 1878		70,000
Park & Douglas	. 1871–1873	*******	66,169
Phillips, J. W	1905-1911		58,757
Pollard & Trimble	. 1905-1907	********	28,328
Quimby & Company	1871	5,400	21,600
Rodgers & Trotter	1871	5,211	54,740
Sacramento Mill	1872	,	323,474
Schlomber Bros	1884	886	16,411
Smith & Crowe	1936-1940	11,573	74,423
South Comstock Gold Mines Co	1934-1940	66,372	588,174
Stevenson	1883	302	6,057
Silver City Reduction Works	1900-1902		18,457
Three Brothers	1906	396	5,503
Trench Mill	1871_1878		343,840
Trimble & Hamilton	1919		13,806
Trimble, R. A.	1920-1922		38,554
Union Mining & Milling Co.	1871_1878	29,500	333,716
western Empire Mining Co	.1022 1024	1,922	32,502
www.uoury.J.P.	1005 1010		48,803
AWOOG WOLLU MIII	1871-1892	39,138	876,139
MINOW ALLEY—		00,100	010,109
Spring Valley Mining Co	1934	2,064	90.400
PAPOOS'A	. 1001	2,004	29,400
vnodes Gilbert Lease	1940	700	0.500
ENGTONE LUCWIO Magon		783	9,586
Ambassador: Cold M:	1096 1097	10.000	00.07=
William Co	1017 1000	18,668	99,857
Louglas Mine	1883-1891	400,133	3,570,673
	1009-1991		271,804
BENESEN PROCESS AREA UNITED BY AREA CONTROL SERVICE S		•	

	Distri	CT PRODUCTION		ontinued	
7-3	ILVER CITY-Con		Year	Tons	Gross yield
	Tons	Gross yield	1914	46,743	\$257,506
§1937		,	1915	12,225	34,554
.1938	59,115	$573,\!528$	1916	7,626	357,855
51939		$253,\!214$	1917	261,940	2,877,887
1940	8,048	246,018	1918	399,649	4,237,541
San			1919	61,849	397,823
	673,003	\$12,740,785	1920	25,073	133,613
	SPRING VAL		1923	20,010	98,834
6. go	Gold, Silver		1924	46,994	23,497
1934		\$29,400	1925		15,515
			1926	89,859	513,977
	TALAPOOS.		1927	494,995	
7014	Gold, Silver, Co		1928	495,088	1,598,674
1914		\$9,586	1929		1,627,463
1940	197	2,815	1933	167,727	557,910
	·			400	31,070
	980	\$12,401	1934	438	30,854
YERI	NGTON (Ludwi	o Masoni	1935	16,441	32,792
Copper,	Lead, Gold, Silv	ver. Gynsum	1936	6,502	18,393
1884		\$88,106	1937	12,603	. 85,139
1887		14,393	1938	32.931	92,367
1888			1939	13,938	29,031
1891		44,324	1940	12,225	34,554
1906		62,903	_		
1907	1,070	96,840	. 2	,649,851	\$17,003,283
1912		121,067		•	,,,
1913	, -	2,152,652		UNKNOWN	· .
1310	191,950	1,336,149	1938	185	\$2,497
	PRODUCTION	OF PROPERT	TES PEDADM	TATO A MOM	
	OF \$	5,000 OR MOR	E RV DISTR	ING A TOT	AL
CHURCH	ILI.—				
Indist	rial Minerals a	nnd	Period	Tons	$Gross\ yield$
$\sim c$	hemical Co	·	1000 1010		
Covo (P	almyra, India	. (1936-1940	14,956	\$97,135
*Camo	Minog Comme	aprings)—			
	Mines Compan	.у	1919–1936	. 78,376	
N. S. S.	& Logan Mine	~	. 1900–1940	8,076	76,995
STATE VICTOR OF THE	allieen Wings	('0mm m 0 m ===	. 1911	1,000	7,655
	Consolidated			,	
The same of the same	111CO - CU		1935–1939	1,104	8,095
e otar o	the West Lea	ise	1939	36	1,118
TOUND I	f the West Lea Touse—			90	1,110
2011 a CHIC	MEOTELAND Clark	ant Ca	1914_1920		451 000
		Wilson)-		**********	451,982
がに プロサルドロ	Struckland	•	1870-1878	9.747	74.500
Linterst	ate Mining &	Develon-	T010-T019	2,747	74,503
	DEALER OF THE COMMENT	6.39 m 3	1099 1004		
Midasi	Minersky		1933–1934	443	43,037
			1870–1878	336	8,883
		BEDFORMAL CO			

d d		illa.		PROPERTIES REPORTING PRODUCTION	or \$5,000 or	MORE-Cont	inued
n S	Gross yield				Period		Gross yield
43	\$257,506 34.557			Pittsburg-Dolores	1915–1917		\$263,071
25	34,554			Wheeler Mine	1873–1878	6,038	· · · · · ·
26	357.855			Wilson Mine	1870–1899	7,623	220,368
40	2,877,887		R	AMSEY-			
49	4,237,541	110		Hills of Home Mining Co		4,246	240,107
49	397,823			Hully-Logan Lease	1940		97,327
73	133,613			Lahontan Mining Company	1936	3,371	3.7
	98,834			Ranier Investment & Mining Co	1933–1934	224	16,734
94	23,497		S	ILVER CITY—	7077 1004		000.404
100 PM	15,515			Atlanta Mill	1871-1884		366,464
59	513,977 1,598,674			Bacon	1811-1818	1 400	331,818
95	1,598,674	34		Beill, Jas	1888	,	6,650
88	1,627,463	kin : 1.5		Birdsall, F. & Co	1070 1079	9.021	723,564
27	557,910			Briggs, John	10/2-10/3	2,931	16,271
(a)	31,070			Buckeye Mine	1071 1070	19,367	187,255 696,010
38	30,854			Carson Mill			
41	32,792			Comstock Milling & Mining Co			59,466
02	18,393			Comstock Tunnel Co	1901–1906		
03	85,139			Dalzell Mill	1974 1975	.525	8,712
31	92,367			Darwin, George W	1014-1010		
38	29,0314			Davis Mill	1020-1302	194,070	,
25	34,554			Dayton Consolidated Mines	1035-1040	•	404 400
	417.000.000			Dayton Gold-Silver Mining Co	1871_1875	30,588	
51 53	\$17,003,283			Dayton Placers			20.104
NOWN		to the		Dayton Syndicate			
85	\$2,497			Desert Mill		,	000.004
	φα, τυμγ			Donovan, Wm	1909-1925		
TOT	AL			Dunson & Pollard			0.010
e de la companya de l		Erit in		Eureka Mill			000 470
Tons	Gross yieldi	1		Excelsior Mill	1871-1891		000 110
				Fair, Mackay & Company			- 000
4,956	\$97,135			Fitch, A. B.			
7000 m c				Franklin & Evans	. 1935–1938		
8,376	391,062			Franklin Lease		•	1 2 200
8,076	76,995			Franklin Mine	1883-1891		00000
1,000	7,6553			French & Witcher			4 = 11000
				Fulton-York Lease			
1 104	8,095			Gold Canyon Cyanide Plant	. 1900–1903		2000
36	1,118			Gold Canyon Dredging Co	. 1920-1923	3	307,259
				Great Republic	. 1891–1892	2 152	
	451,982			Hamilton & Pollard	1913-1914		18,734
				Hardwick & Trimble	1929-1938	3	40,101
2,747	74,5035			Haywood Gold & Silver	. 1010 1000	4	
				Mining Co	1887-189	1 4,774	
442	43,037			Hill, W. H. & Co	187.		
336	8,883			11111, 11. 11. 00 00	·		
1200 Co.	1200	الأكافي والمساوي	100 SU			the state of the state of	

S5,000 OR M	ORE—Contin	wed .
Period	1070	a, oce grova
1872 - 1875	1,206	\$18,900
1887-1891	4,774	314,452
1898-1903		32,663
1871	9,038	93,905
1984-1887		15,750
1872–1875		13,400
- 001 1975		80,648
1871–1875 1935		6,017
1871-1874	1,432	12,366
1883-1884		5,300
1873–1878	147,795	605,586
1873-1010	2,003	40,572
1903-1909	17,512	192,810
0 1907–1911		138,609
1903-1907	6,588	564,364
1887-1892		127,577
1940		70,000
1878		66,169
1871-1873		58,757
1905–1911		28,328
1905–1907	5,400	21,600
1871	5,211	54,740
1871		323,474
1872	886	16,411
1884	11,573	74,423
1936-1940	66,372	588,174
1934-1940	302	6,057
1889		18,457
1900-1902	396	5,503
. 1900		343,840
1871-1810		13,806
1010		38,554
1920-1922		333,716
1871-1878	29,500	
1933-1934	1,922	32,502
1905-1919		48,803
1871–1892	39,138	876,139
1934	2,064	29,400
1940	. 783	9,586
1006 1037	18,668	99,857
1936–1937 20. 1917–1920	400,133	3,570,673
20.1917-1920		0.001.004

PROPERTIES REPORTING PRODUCTION	of \$5,000 or	MORE-Conti	inued.
Empire Mining, Milling and	Period	Tons	Gross yield
Smelting Company	1918-1919	11,083	\$95,647
Gypsum Quarry	1933		16,577
Ludwig Mining Company	1906-1907	3,035	184,029
McConnell Mining Company	1912-1913	14,702	106,785
Mason Valley Mines Co	1912-1929	1,701,794	7,735,881
Montana-Yerington Copper Co	1913-1917	834	10,744
Nevada Douglas	1907-1926	454,637	4,265,942
Regan Bros.	1935-1940	30,991	122,277
Sonne & Elbert	1912	5,888	44,756
Standard Gypsum Co	1923-1929	**********	399,942
			, , , , , , , , , , , , , , , , , , , ,

on quiletained und by these present claim unto da Said party of the decora payaring to fe accurate calain latine or fear allo down of Silver bety bounts of high the the particularly described as follows Cacteone of to Lock Number founter the Mullioning line of South Street- Bath fire Co right angle Northerty Odventy feel fill a from Earled dig to fire (65) few-to the Metale line city along the westerly line of Day Street Se beginning Jog when with all and die fulant and a feature new thereunto belonging ours anywest affections, the continuend reversions remainder and remainder nente issue a periels here - in dalo: all the estate in gld-tale interest property from dicion and domand whateverer as well in law acting ultiof the I sid faily - the first- feart of in ou to the said frames and low frames parell the affection and To stand and to stand all and Disiguia the driet francisco bogether with the appentionances unto the daid two file down and fear and to his assigns and his successes in office from I il the the war the said frants of the first part has hereinto det lind and and the day and year first above written Dry and Dear found of digital in the income it I force Camuel, A. Chafin & Wale of delinance for 1 de l'in Son francisco On chies Swenty Sevents day of Novem. he self with the ment right hundred and Swenty fine before me bit, in a con of descloper the State of Necada in and fooded and swan fees on ally commercioned and swan fees on ally affeath de ultil na and Od much S. Chafur whose name is dubacus date and a col i retirement - as a party chareto personally known to me tok the individual described in and who Executed the Said annexed In Man and deal who are recovered ged towns that the Executed the Same fully and adade and in the was and furposes therein mentioned O William Where of a have hereunto Selomy hand and affind comme)) in official Scal the day and year in this Certificate for alove willen of Deeds, Southe State of A coals Commussioner count of Seall Weith December 13 h & 2018/5-01811 J. J. Dafins Recorder of Lyon County Stunde -H-284 12/15/1875 MILL GOLD BY W.S. HOBART TO THE NEVADA BANKOF SAN FRANCISCO FOR \$30,000 on the declare in a de the chifteenthe day of De comber in the generation de ene thousand sight hundred and Swenty fine Belineer W. S. Hobat of a Magania cety Story County Nevada party of the first feart and the Nevada

atterform of the feet part for and in consideration of the sum of their Strong qui tunded and him in hand haid by the said party of the second part the receipt when of wherely a consuledged has granted barg ained sold conveyed re-1- the South "laterty of bangain dell convey remise release and forever quit claim unto the our thene said party of the second part- and to its successors and assigns all the (ste ght - angi right-title interest estate claim and domand both at-law and in equity U-then cish and as well in possession asin expectancy of the said party of the the flace of first-part-of in and to all that certain but piece or parcel of land sit hereotetam late thying and being in the bounty of Lyon State of Nevado and fullainingo issunded and particularly described as follows towist All of an un ente issus en divided one half of that certain Mill site, with the Quarty Mill and oferty fieren machinery therein and the Waterprivilege heretofue enjoyed there quety of the with formerly owned by the Ophir Delver Mining Company and very from an by said Company hertlofore Conveyed to the party of the first party ed all and Deed mow of Beard in the office of the County Recorder of Lyon County to the daidje Awada-which said Mill site is situated on the Careon review in idio effice former County of Lyon about-1/4 miles about the town of Day ton and contain 15 det-lew home ing_529 acres more or less, Said Quarty Onice was formerly Known agthe Woodworth Mill Together with all and singular the linements here stilaments and appurtin an ees thereunto belonging ou in anywise afun & appertaining and the rento issues and profito thereof do House and is Hald all and singular the said premises together with the appointer mances unto the said party of the second part-ito successors and sey of Ni im. assigno forever. In Wilness where of the said party of the first part has hareunto det his hand and seal the day and year first above written Fore DUL. U.I. and fooded his hand una one chiqued in { ille affeaux TW. S. Hobalceasewhed to ! Orem ce g on to mutak enexed On the Dlate of Accordatos I durne fully County of Story On this Fillente day of December of to continue and rentimed ... light- humbled and deventy fine person ally appeared before me 12 1. - Cap od and affine a Notary & while in and for the Said County of Story 11. 1. 18 20 all whose manne is dubscribed to the annexed inclument aso fixed their cilificate fint to personally Known tome to be the same person described in and who executed the said annexed instrument as a factor thereto and isseines he duly a crinowledged tome that he executed the saint juite and 16 consta 1.18% 5 at-8.4 h voluntarily and for the use and jurposes therein mentioned An Welness where of Same hereunto elemny hand and and since od oficial) my official Deal the day and year in this certificate tiest ly Sicuada about wutteri... Recorded at-request-of Well Gargo and Co December Docto & S 1875 at- 2 min past-y N. M. cecajora Ind Recorder of Lyon County Neurola. S No hat of the Accorda

Mante De cember 23d 840 Golfun County Louisty made the dwenty second day of December in the year of our lord one hundred and seventy fine Between James I thew of the lety of Country Nevada of the first feart and Cacefic While ad Minning Com a corporation of the State of California the party of the second part Wit Ethe said party of the first part-for und inconsideration of the during One Callangold coin of the Minited States of America to line in hand paid bilithe said hearty of the second part the recept-where of is hereby acknowledge ed him semilla released and forest quit claimed and kurtiese presents closes as mice thelease Ind forever quit claim unto the said party of the second fear and to the Succession heins and assigns all the under ded one half part of that cen tain tractiof land lying Id being situate in Lyon bounty State of Norda End more particularly described as The South West-quarter of the Nouts West-quar ter of section numbered twenty Sup (26) in Township numbered Suptien (10) North of Rang: inumbered twenty one (21) Gast Cinonic Gratio Base adlineredicary digether with all "Id surgular the timements here detaments not affine Unances therewort belonging ou in any wise appertaining and the remembers and remember remainder and remainders rento issues and profile thereof and also all the estate right-title interect-property prosession claim and demand what Soeven as well in law as in equity of the said party of the first part of in or to the land harmines and energy front and from out there of with the appointen uncon In Have full to Hoold all and singular the said premises to gether well the reputer an cessionts the Said party of the second part and to its successors here ad assigna forever In Witness Whereof the said party of the first feart has hereunty Let his hand. and Seal the day and year first- above written signed Sealed and Delivered in the James G. Faw State of Irevada / Sus County of Storey On this Swenty second day of December AD, one thousand eight hundred and seventy fine fraconally appeared before me Bow Duy a Nota in Bullic an and for the Said Country of Storey, of all d'air whose manie is duit Scieled to the farm exed includent us a farty thorns ficison ally Known tourselve be the same person idescribed int and who the cute of the said answered instrument as a finite thento as he duly a comoded god to me that he specifed it estame full by and wolcount and and fronte was and number when you mentioned

I. Hitnes Where of I have hereconto detrong hand Bid affined my offin official alderethoday "Id year in this Cultificate first above written Recorded at a quest of Will's Fargo "Ad Co December 28th AD18 y sal- 40 min Recorder of Lyon County Nevada had 10 9 m The Cate have in the the hoe by desend kay of Oceanher in the year of our Section the season of sight have in the hate we day fine Between James & Shaw of the lay of the given Story her by hours a fearing in the first fear and Alwada Bancof Sa. Francis at for all with State of burgario the party of the decount part I'd with Short he rart had you the heart feart fround in consideration y the survive and disregular Site Sended States of America to the minimum part some Ash to But he de Accord for to the receipt who cof is hearing somewhat god the serviced of the the one to will a need by higher present face since when the first a will so the first of the decord ford and to it Some some track Country att the by Linds Cook half food of that or this land The state of the State of the ada time median. Lange Some Soft of the Soft of the Soft of the Soft and Soft of the Soft of th and the second of the second of the same of the

The Salar Halfall have been to but

and ught-hum died sel Martin har to man some of Niaginia Story County Neva da faitif of the file Sandrancisco a Corporation of the State of last fine attackants of the State of last fine for ending consolirations the sun of One Dallar gold com of the Rinited States of Inter at farming ha haid by the Said party of the second had the receipt whereof is heithe acknowled ged has remised weened and forese quet dained and by these presente does times release 2nd forever quilclaim unto the said party of the second part and to to successors heirs and arriger all the undivided one half parts of that cutain two. of land by ving and living delivate in Lyon County State of Novada Ad more fraction Larly described as The South Hest-quester of the Arute West-quarter af Sections win hered descrite Son (2 c) in Some shift munchered Supleen (16) North of Range number ed tuenty one (21) 6 ad Minnite Deable Base and Moundany Dogether with all and singular the tenanted headlandered by affection an ces thereunto believing nov ho any wise of he lawner that the reservoire this state of ren some and burnain der and ince and provide cheerof had also all the estate right title interest property prosession chain the demand whatever as well in law as in equityof the said party of the heist part of in outs the said premises and every part and farest Thereof with the upperdenances In House and to sould all and Songular the said premise together with the 2/4/interior co unto the said party of the second had deflects since of an industrial assigno faculty. No Hillows it herein the said faily of the first feet has hereunto set his hand "Id Seal the day undefeat find about willing dig set spaled with delinear in the Orecorner of James I Nami Esco 12/22/1875 State of Manda for County of Slovey (On this Twenty second day of December ID methoward eight-hundred not devenly five personally appeared before me 1010. Day a Nata in Sublic in the foothe Said County of Stoney, fames I diaw who senames subscribed to the unine ded inchumend as a faily thereto personally Union to me take, the same person described in End who executed the Said annewed instrument-as a party thereto Pud he duly acknowledged to me that he executed the summe freely and voluntarily and for the war and purposes therew mention In Witness Where of I have hereunto det my hand and affixed my official official)) Seal the day und year in this certificale fiel above meetin

Recorder of Syster County Musika This sindential Made the Second day of December in the year of our Lord over a sandonglis hundred and Sevenly five Between Charles O, Damon of Daylon Transland the first part & Michael R. Marlin of Ungarra Devada the party of this second part thitrescelle, Inat the said party of the frest part; for "of in Con-Aderation of the same of One Thousand Lollars of the Vonted States of America, to tuno and hand parde by the said party of the second part, the receipt where of is hereby acknowledged, has remised, released is for ever out claimed. "It by these presents does remise, release, I'd forever quitelain unto the said sparty of the second part 14. la his hears I'd assagns, forever all that certain and dinded 3/10 of that Datch an Combidias follows, Ro not: The This denth condinded interest of said Damon in Ato the Gold Hail Latch in Masone Valley - part of said Datch being in Comenalda to part an Lyon County - Commencing at a point on the westerly Inde of Halker Herer & runs down in to Lyon County to was made by the Gold Hoill Datch Company about 14 years ago, It was divided into Den-Dhaves ! A this is to Couvey the undivided 3/10 interest of Said Lamore in Said Ditch to the evalent flowing through the some I all Jus interest & claim in to Said Dotch Singether with all of singular de tenements, heredetamento Id appenticiances thereundo belonging, or me any wise appertaining, "de the reversion "of reversions, remainder "of remainders, vents, resnes "of forofits there of , "I'd also all du estale, oright, little, interest, to property forseionin, clar part, of an or to the ward promises, "I wrey part" parcel chaves, with the appare-- Atmances, So Have "I to Hoold, all "I singular, the said promises, together with the appretenances, and the said party of the second part, " to his heirs " assigns forever. In Iterus Ithurs, the said party of the first- frust, has herewite Del- his hand I'd seal the day "d year first above written.

		Separate Table		CETOE THE AT		OWNER	METALEN :	CANCEL COLOR
BIUIK		1.005-09.	7.OWNER/ADI	AIN .		rangerija er de de		
8. NAME(S) OF STRUCTURE	į.		9. OWNER'S A	DDRESS		· · · · · · · · · · · · · · · · · · ·		
						•		
ORPHIR MILL/WOODWORT	H MILL					*		•
		·						
10. STATE V COUNTY NAME	CITY/VICINITY	CONG.	STATE	CC	OUNTY NAME	CIT	YVICINITY	CONG.
COUNTY	Dayton	1	COUNTY					DIST.
11. SITE ADDRESS (STREET & NO)			12. EXISTING SURVEYS	□NR	MHL	□HABS □HA	ER-I HAER	- □ирѕ □сь
			SONVETS		CONF	STATE DO	OUNTY LOCAL	OTHER
Carson River			13. SPECIAL FE	ATURES (DESC	RIBE BELOW)	· · · · · · · · ·		
			INTER	IOR INTACT		EXTERIOR INT	ACT	☐ ENVIRONS INTACT
14. UTM ZONE EASTING	NORTHING	SIGN SCA	LE 🔲 1:24	1:62.5		QUAD	•	
2 7 6 1 0		0	OTHER			NAME		
UTM ZONE - EASTING	NORTHING	SIGN SCAL	.E 🔲 1.24	1:62.5		CAUC	•	
			OTHER			NAME		
	1 GOOD 72 FAIR	73 DETERIORATED	74 RUINS	75 UI	NEXPOSED	76 ALTERED	82 ☐ DESTROYED	85 DEMOLISHED
16. INVENTORIED BY		AFFILIATIO					DATE	0.0
1980 Comstock Project	<u>:t</u>	HAE					July 198	3U
17. DESCRIPTION AND BACKGROUND HISTORY, IN MATERIALS, EXTANT EQUIPMENT, AND IMPOR	ICLUDING CONSTRUCTION DATE(S TANT BUILDERS, ENGINEERS, ETC	S), HISTORICAL DATE(S), PHYS).	ICAL DIMENSIONS.					•
The Ophir Mill was b	ouilt on the Carso	on River south	of Dayton	on the	site of	the Carson	River Mill.	The site
was purchased by the	on the Company is	n 1863 for thei	r large so	ale ope	ration.	The mill w	as operated 1	by both
steam and water power	er and was equipme	ed with twenty-	four stame	s. work:	ing ore	from the Ye	llow Jacket	and Ophir
mines. In 1868, the	i mill had twenty	stamps and was	owned by	the Banl	k of Cal	ifornia. I	n 1871, a la	rge water
wheel was installed	and a major over	haul completed.	The mill	commen	ced work	ing slimes	and tailings	in 1873
and condinued to ope	erate on tailings	until at least	1883, at	which t	ime it w	as owned by	Mackay & Fa	ir.
Present condition u	ndetermined.		, ,	,		. •	•	
riesent condition di	ACCCIMINOU.						•	,
•	÷	•	•				-	(CONT OVER
18 ORIGINAL USE	· · · · · · · · · · · · · · · · · · ·	PRECENTING	····			ADARTIVE USE	· · · · · · · · · · · · · · · · · · ·	(CONTOVEN)
Ouartz Mill		PRESENTUSE		•		ADAPTIVE USE		•
19. REFERENCES—HISTORICAL REFERENCES, PE	CONTACTS AND OTHER	(EB				<u> </u>		
Second Directory of	the Nevada Terri	tory, 1863.p.30	2. Prod	luction (of Gold	and Silver	in the U.S.,	1883, p. 538
Gold Hill News, June	e 5. 1865 p. 3.	<u> </u>						
Report of the Nevad	a State Mineralog	ist. 1866. p. 1	49.					
Territorial Enterpr	ise. 1868. 1871.	1873.	*					(CONT OVER)
20. URBAN AREA 50,000			YES, LIMITED	YES, UNI	LIMITED		· · · · · · · · · · · · · · · · · · ·	23. EDITOR
POP. OR MORE? TYES THE			INO	UNKNOV				INDEXER
24 LOCATED IN AN HISTORIC DISTRICT?	ı F				•			

Virginia City National Historic Landmark

YES

□NO

	*								endicken (SSP 13	a recession in	-	and American	ملعضب ومسجون		
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	•	· . · · · · · · · · · · · · · · · · · ·													
							Wheeler, Varney	35				-			
9	Summit	"	6	20	625		Willegier, Warney	14							•
1	Chion	44	21		10-850 4-500	14	Hepburn	- 30			18 To 18			1.5	
	Winfield		5	18		8	Hepouru							2.1	1.1
	,, minera		- 1	- 1				1		-			• •		
			- 1	/		1	1 1		•			•		×	
	LYON COUNTY.	•		. 1		00	Wheeler	55							
	Birdsall & Carpenter	water	2	30	650	20	Wheeler	30	^						
	Bacon	steam .	6	20	650	. 17	Knox	9			- 1		•		
	Bartolo	44 -	. 3]	8	550`	8	Wheeler	3		·			• .		
	Cole & Co	"	3	ั ธ	480	4		14	i			•			
	Devil's Gate	"	5	8	900	10	Hepburn	20	i						
	Daney	"	6	15	550	15	Wooden Tubs	20	1					*	
	Dayton, No. 1	water	1	20	500	6	Wheeler	15	1						
	Dayton, No. 1	stenna	. 6	15	800	8	Varifey	15	1			٠			
	Dayton, No. 2	water		5	400	2	Knox	20							
	Engle	steam	5+	16	890	6	Hepburn								
	Eastern Slope	Bleam .	3	10	650	18	Knox	18		. :	•				
	Excelsior		- 1	20	650	8	Wheeler	22				•			
	Eureka	water	• • • • •	10	600	8	Knox	12	1						•
	Franklin		4	10	850	25	Tubs	13					•		
	Golden Eagle	gteam !	31	20	400	5	Hepburn	20	1 .			٠.	-	. •	
	Illinois		5		650	11	Tubs	14							
	Island		2	19		10	Wheeler	20	Disn	antle	ea.				
	Lindauer & Co	st'm & water	21	15	480 .	6	Wheeler	16	1						
•	Metallurgical Works	steam	5	15	700		Wheeler	3	1						
	Monitor	water		5	450	2			1 .	•					
	New York & Nevada	steam	53	20	550	17	Hepburn		1	•					
	Ophir	st'm & water	24	24	. 600	15	Hephurn		1						
٠.	Pioneer	steam	6	15	700	15	Tubs and Wheeler		One	of t	hese	Mills	destroyed	by fire	during
	Phorrix, No. 1		6	15	650	8	Tubs and Wheeler	1 66 }		B66.			•		•
	Phornix, No. 1	44 -	7	20	534	34	Tubs	' '	1 -			٠,			
,	Phonix, No. 2		41	10	650	12	Tubs	·	1		-		•	••	
	Palmyra	ct'm & water		56	550	50	Tubs and 6 Hepburn	1	1						
	Rock Point	steam	62	20	600	19			1		•		100		
•	Sparrow & Trench	water		5	400	2		. 4	- t	. :					•
:	Sherman & Co	-1	5	14	900	22	Tubs	. 20	1						
	Swansea	. steam	1	5	450	1 4	lan s	. 4	1		٠.			•	
	Smith, D. L	water	1	1 .	750	12	1111	. 18	1						•
	Sacramento	· steam	5	12	650	1 7	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	. 14	1						
	San Francisco	. st'm & water		10		9			1						
÷	Weston & Co	. steam	4	15	550	, -	1	. 11	1 -					- 1 · .	
	Weston & Co	water	1	10	450	8	[1 ttus								
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Motive Power.

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STOREY COUNTY.

Atlas..

Atwood.

Bower's.

Central.

Comet..

Douglas

Eclipse...

Gold Hill.

Bay State . .

Crown Point.

Empire, No. 1. Empire, No. 2. Empire State.

Gould & Curry ...

Hoosier State ...

Imperial

Land's

Mariposa . .

Marvsville .

Rhode Island.

Rigby's .

Sapphire . . Simcoe . . .

Succor ...

Stevenson's.

Rogers'

Weight of Stamps.

600

10-600 10-700

500

650

650

650

8-600 6-750

750

600

650

700

650

650

750

500...

No. of Pans.

8

26-2

14

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26 8

12

20-2

24

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24

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2-6 30

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18

12

13-8

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Nature of Pans.

Knox, Wheeler, Hepburn

Hepburn, Varney.

Knox, Wheeler.

Knox, Hepburn..

Knox

Knox.... Tubs, Wheeler, Hepburn.

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Hepburn Knox, Wheeler Wheeler

Knox

Plain

Hepburn

Wheeler.

Knox

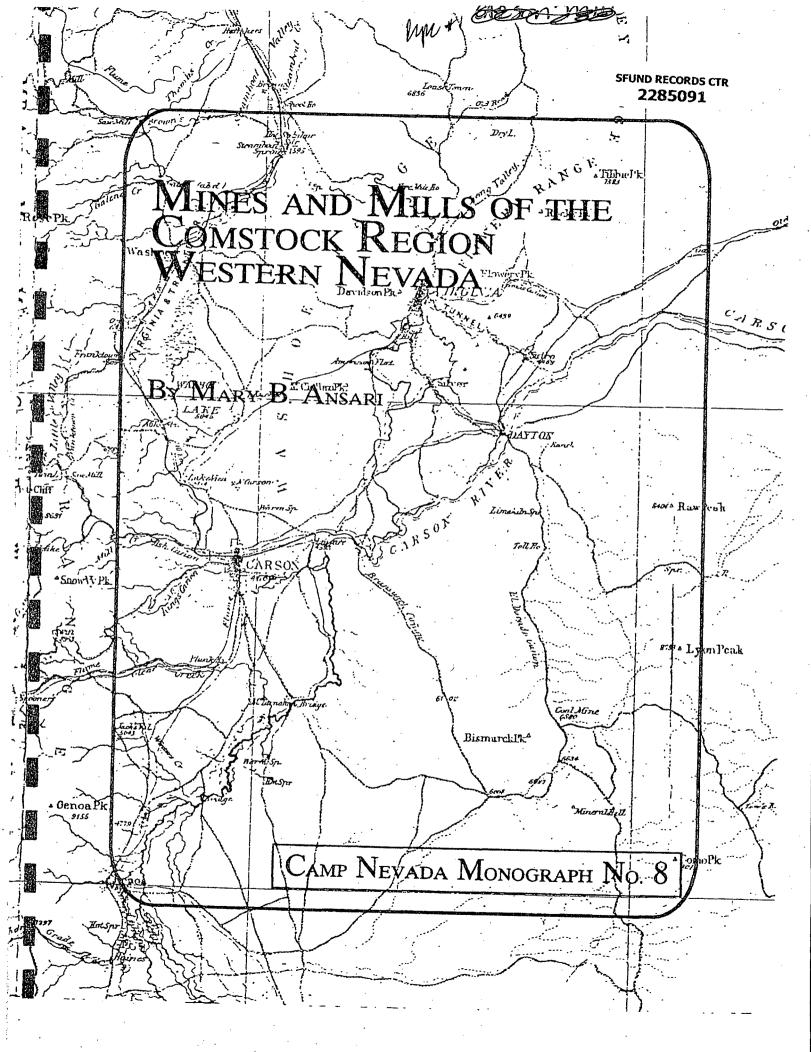
Knox

Knox

Wheeler.

Wheeler...

Hepburn .



Carson River Quartz Mill: Kelly's 1862 directory reported this mill to be located above Dayton on the Carson River at a site known as Camp Woodworth. The mill's proprietors were Joseph Woodworth, William M. Stewart and John D. Winters. At that time it had 10 stamps, 4 large arastras, and 10 employees and was crushing ore at a rate of 20 tons a day from the proprietors' claim in Gold Hill, known as the Henderson claim. Kelly went on to say that with its several out buildings, the mill give the appearance of being a hamlet. One of the first mills on the Comstock, the Hastings & Woodworth Mill, was earlier located on the same site. Later the New Ophir Mill was built on the same site (Comp, 1980; Kelly, 1862, 218).

Ophir Mills: Two mills which were situated on the Carson River above Dayton and below the Island Mill. In 1865 the New Ophir Mill was listed as being owned by the Ophir Mining Co. of Virginia City, as having 24 stamps and 15 pans, burning 4 cords of wood per week, employing 15 men, and reducing 35 tons of Yellow Jacket ore a day. It was built on the site of the Carson River Quartz Mill. In 1866 it was listed as being powered by steam and water, as using 2 1/2 cords of wood a day, and as having the same number of stamps and pans and same capacity as in 1865. The 1875 map of the survey of the Virginia & El Dorado Railroad shows an Old Ophir Mill located above the New Ophir Mill. In 1868 the New Ophir Mill was owned by William Sharon's Bank of California. It operated as a tailings mill from 1873-1883, at which time it was owned by Fair and Mackay (Comp, 1980; GHN, 1865, June 5, 3:2; Map of Survey of the Virginia & El Dorado Narrow Gauge Railroad, 1875; SMR, 1866, TE, 1868, Jan. 21, 1:2).

Woodworth Mill: Shown on Wheeler's 1876-77 map as situated on the northwest bank of the Carson River approximately one mile above Dayton. The 1869-70 State Mineralogist's Report reported it to be a 24-stamp mill with 12 pans, and in the early 1870s it was listed as having the same number of stamps and a 48-ton capacity (SMR, 1869-70, 15; 1871-72, 100; Wheeler, 1876-77, map).

Sprouls Mill: Small Carson River mill which was located above Dayton between the Barton & Co. and Carson River Quartz mills. In Kelly's 1862 directory it was listed as Sproul & Co.'s Excelsior Mill and reported to have 10 stamps and 20 Hungarian pans, to employ 15 men, and to process ore from the proprietors' Gold Hill claim. The proprietors were J.R. Sproul, C.C. Goodwin, Levi Hite, and J.R. Brett. The mill and dam cost approximately \$5,000 (Bancroft, 1862, map; Kelly, 1862, 218).

Birdsall & Carpenter Mill: Dayton mill reported in 1865 to have 20 stamps and 10 pans, to burn 1 cord of wood a day, to reduce 30 tons a day, and to employ 10 men. In the 1866 day and having 30 stamps, 20 Wheeler pans, and a capacity of 55 tons a day. In the 1869-carly 1870s it had been converted to a tailings mill with a capacity of 300 tons per day. The buildings were torn down in the early 1900s (Comp, 1980; GHN, 1865, June 5, 3:2; SMR, 1866, 149; 1869-70, 14; 1871-72, 100).

Sutro Mill: When Adolph Sutro, later of Sutro Tunnel fame, first settled on the Comstock, he operated this mill, which was located slightly below Dayton between the Solomon Davis and Old Dayton mills. It was erected in 1861 and was one of the early mills in the area. Kelly's 1862 directory reported it to have 10 stamps and a 12-ton-a-day capacity and to employ 10 men. At that time it was processing ore from the Gould & Curry Mine in Virginia City. The mill burned in 1863, and it was rumored that the fire had been deliberately set in order to collect the insurance. An account in the Territorial Enterprise in 1874 relates that Sutro never was indicted for arson in Lyon County even though there was a Grand Jury investigation at the time. One man died in the fire, and the property was

The super control of the control over the super and a captury in of inducentents to the researched by the rich The Paul of Bull and entie county's character of the county is com server of the country athern portion. There when small repoling e covered with a fuxit was in this section. raid to have been dis-

within 150 miles of

the statement above. ie southern part a'one There are many suifable for the protum and vegetables part of the county, in There was cuitie duling the pour year. evides vegetables anfeducts of the soil are ly supply our imale. took ropulation and Nevada will be subr grain in the state. in the county about ly burney which solo ra centa per ponna; tabias, such as potaprices ranging from

Mills and city from \$8 to \$10 per

M horses, 269 malor.

ер. 277 вода. set and permanent a of buildings and cy have been placed lines in this county. the permanency and ever so flattering as ucipal production of re-developed mines of Austin, vizz ten Marinoida, Diana, d the developments minern parts if the Ty encouraging inonding Beviember this county, as por tons of ore, which 87 m coin, averag-It will be observed analished in the piaing to the peculiar re the present Hevto this section of es than in storey exirecting and reton in gold, whi-\$50 will montpuly. it the geology or las been so often blets that it is use. is at present only

---- 20 stampa 10 stambs)---- Li stamį s wine mille:

only, riz:

....20 stampsid stamus ---- 8 stamps 10 stanipa

There are in the contact operation in the Contact of the profession of the profession operation in the Contact of the profession operation operation in the Contact of the profession of the river; also Corporter a Birdsall a mill sinute mineclately worth of Dayton, properled by water. sonststrag of 20 stamps, with all the modern imed the Goose Creek Provements in the way of same esc, being decidealy the best power and mill seas in the county, also, the Joseph Trench mill in Silver City, and many other milk, will compare with any in the Slate, etc. A list hersto strached will give the motive power, number of stamps, capacity, value, names of owners, etc., of each mill:

A LIST OF ALL THE MULE IN THE COUNTY. Birdsail & Carpenter, Birdsail & Carpenter proprictors; Carson flyer south of Daylon; assessed galne, \$120,000; water power; 30 stampe;

Dayton mille; Winters, Robinson & Co.; Carsoft citer south of Dayton; seessed value, \$60, 000; steam power; 15 stamps; 10 pans

Dayton mile; Winter, Robinson & Co.; Car Ron river south of Dayton; assessed value, \$10,-000; water power: 15 stames, 10 pans.
Ophir: Bank of California, Carson river south

of Dayton; appeared value, \$60,000; water power; 20 atmpe; 8 page.

Franklin, Bent of California; Carson nver south of Dayton; assessed raine, \$45,650; water-

Island; Rapk of California; Carson r ver south of Dayton; assessed value, \$25,000; water power; 10 stamps; 6 pens.

Hard's; Hard, Ball & Go; Carson river south of Dayton; secoused value, \$40,000; water power; 20 stamps; 8 page.

Daney; Bank of California; Carson river southwest of Dayton; sapessed value, \$40,000; steam power; 16 stampe 28 pens.

Mineral Rapids; John Rule & Co.; Carson river, in Dayton; assessed value, \$18,000; seam power:

Daylan appeared value, \$20,000; steam power;

20 Hamps 5 pans. Rock Point; Imperial 8, M. Co., Carson river north of Dayton; assessed value, \$200,000; steam power; 50-stamps; 32 pans.

Keystone; McLinn & Co.; Gold Canyon west of Dayton; arsegned value, \$3,000; steam power: 5 strupe;-6 pens.

Woston a: Weston & G.; Gold Canyon west of Dayton; sessessed valde, \$23,000; steam power; Weston's; Weston & Co.; Gold Canyon west

of Daytom; assessed value, \$1,000; water power; 10 stamps; 6 pens.

atlanta; Konesnan & Co.; Gold Canyon west of Dayton; assessed value, \$5,000; steam power; 13 stamps; 4 pans.

Sacramento; J. W. L. Hunt. & Co.; Gold Can-yon west of Davion; smeased value, \$20,000; steam power; 12 stamps; 5 pans. Excelsior; John Briggs; Gold Canyon west of

Dayten; assessed value, \$18,000; steam power; 10 stamps; 10 pans.

Swanses; Bank of Californits; Gold Cauyon west of Dayton; assessed value, \$20,000; steam power: 16 stampe; 12 pana.

Phoenix No. 1; Bank of California; Gold Canyou west of Dayton; seedrand value, 25,000;

Eastorn Blope; Simpson & Co.; Gold Canyon west of Dayton; assessed value, \$10,000; Steam power; 16 stamps; 10 pans.

Metallurgical Works; New York Co ; Gold Can-20 starnes | Power; 15 stamps: 5 pans dependent for the present these of the source of the dependent of the source of the so att waste

THE WOLL AND PART TOWN TO THE PARTY OF LANGUAGE AND ADDRESS OF LANGUAGE AND AD This fact is partially explained by the samples in which the locations were made. Such that of 900 feet on one loce is so independent, such y feet chain, not liable to autosometics when other is teressed parties are working the lode.

Shortly after the discovery of the Patranagat mines companies from the fast purchased con-trolling interest in some of the value and to these, especially to W. B. Raymond, Esq. of New York city, is due all the credit for the energy displayed so far in the development of our inflose. The Pioneer Company, Superintendent W.R. Raymond is working the lode Minois, situated on Silver Mountain and running south 53 dec. west. The company is size in possession of a five stamp milt, put up sta Histo, 14 miles from the mine. The mill is not working it present, it being furnished with a wet crusher; the rebellious ore of the district must be subjected to dry crushing and rossing. The the two pans of the will are Whoeler's A second lode the Indiana in also owned by parties from New York only the Pab Topacat Silver Mining Company, Superintendent James Ostrum. Out of this lode they are taking large questities of very rich ore from a depth of only a few feet. The company is putting up a ten-stamp mill, also at Hillo, with dry cruster, and five reasting furnaces.

The Alameda Mining Company, Superintendent W. Fieming is interested in the List lode, a vein of excellent character, situated on the west slope of Mount Irish. The veta was successfully pros-De led by an inclined shaft, which follows the dip of the lode and is now to be put in working suppe. The same company constructed at Logan Earnings, on the east slope of the mountain, and under the management of Dr. Compar a series of smelting furnaces for the benefit of the lodes currying argentiferous gaters. This enterprise proved itself a failure, the voine with argentifero is galena being of very inferior nature.

The Crescent Silver Mining Company, also from the East, is in possession of a five stamp mill at Hatfield We place near the List lodel, with dry crusher and two rossters, amalgamating in worden tube. Only rin a few working working one trem the List lode.

The Webster, a very remarkable and promising loce is owned by Albert Barber & Co., miners; they sunk a shart outside of the lode in its hanging wall, about 100 feet deep and commenced lately to take out ore.

Mr. 3 Springer, superintendent of the Pro Rate Silver Mining Co. Lion Illinois, started work a few weeks ago by commencing a minel in Springer's Miningian Captain Danigren, much interested in Pahraneaut district has prospected two of his lodes with great salier solion and lately 1 oburned to the Rast

The surface of those mountains, in which are embeded our silver ores over an area of 30 square miles, is also covered with large quantities of wood, offering a welcome facility for the extraction of precious metals. Not very ample is, the supply of water in the mountains for this important work Only a few springs are found, with scarcely more water than is required for domestic use, sno the development of the mines has up to the present time not remedied this defect. Yet well directed work cannot fall to develop in a short time the rich resources of our mines, in spite of this want of water in their immediate Carron and Hattlelo's will soon be prospering towns.

PAHRAMAGAT VALLEY Looking to the east from the hights of Pahranagat mountains the eye will discover in summer Estal Equipit care a Color Suggester care Color Suggester care Color Suggester care Color Suggester care Lower Lagrandian Company of the Company of Onto, Breakers. Indian corn intere Potstoes, brishels. Respectfully w

Hon. B. H. Mark Sir: Since the date this county has bee by the creation out Notwithstanding thi resources have made peat year, owing m meds in the centr county. Many new and large and valu

Our assessment 91.990,884 22, being of hest year, the tax: levy being \$2 90, in cents on each \$100. The law derived in se follows:

Questier Tons Doc 21, 1365 2,065 March 31, 1867 2,814 June 20, 867 1,767 Sept. 31, 1867 1,576

This tax creates m bur mill owners and unoqually and unjust section, where the co. cing the ore is so mu and the western part tion the taw was to here is trougently con cent tax upon the p SOURS INSIB LOSS TAXES ! win an actual Jose

Upon an estimate o upon ores for the last find there were reduextracting and reduc is \$50 per ton in gold \$78,800, deducted from 51, leaves \$62,243 51 at which, reduced to cu dollar, is \$82,991 34, u of \$4.106-90 in coare cent upon the true vi mines. This is very o upon the miner, and, i will tend greatly to dis but the most productiv be able to pay it.

I have collected \$725 the year, and will prob I send you inclosed a quartz mills in the or best sources at my com and superintendents by andstace, and in most return the blanks left w There are seven steam with a capacity of from perfilien. The value to \$80 per M. at the mil

An excellent quality & TO THE o in the of \$15 per M.-

I estimate there were land cultivated this see

BIENNIAL REPORT OF THE STATE MINEROLOGIST LYON NEVATA COUNTY-1875.

	Firs	T QUA	RTER.	SECO	ND QUA	ARTER.
NAME OF MINE OR OWNER.	Tons	Pounds	Gross value.	Tons	Pounds	Gross value.
Cromer	73 £0 200 11,708		\$20,599 83 3,300 00 1,360 72 288 75 1,873 61 40,460 52 \$67,883 43	82 440 40 100 88 38 200 14,260		\$800 00 1,640 00 2,819 23 308 00 1,650 00 785 00 132 20 1,800 00 45,313 62

1				<u>:</u>					
μ	Тн	rd Qu	ARTER.	Fou	RTH Q	UARTER.		Тота	LS.
	Tons	Pounds	Gross value.	Tons	Pounds	Gross value.	Tons	Pounds	Gross value.
				46		\$1,426 00	100 1,200 300 46		\$800 00 20,599 83 3,300 00 1,426 00
	116 984 201 300 35 40		\$1,508 00 4,318 22 3,216 00 4,200 00 469 00 160 00	170 300 150 50		2,550 00 1,263 00 1,200 00 750 00	368 1,797 391 450 123 121 400		5,698 00 9,761 17 4,724 00 6,600 00 1,254 00 715 95 3,673 61
	11,049 2,500 1,000 4,000		40,897 83 36,000 00 4,000 00 40,000 00	12,491 1,500 4,000		47,245 68 21,215 16 40,000 00 \$115,784 84	49,508 4,000 1,000 8,000		173,917 65 57,215 16 4,000 00 80,000 00 \$373,685 37
	20,225		\$134,769 05	18,810		Official ox	1.,500		<u> </u>

NO LISTING FOR 1877 BUT
NO LISTING FOR 1877

TOO

BIENNIAL REPORT OF THE STATE VNINEROLOGIST LYON COUNTY-1877. N EVADA 1877-1878

					1				
	Firs	P QUARTER.	SECON	D QUARTER.		THIRD (QUARTER.	F	OURTH
Name of Mine or Owner.	Pounds. Tons.	Gross Value.	Tons.	Gross Value.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.
Tailings.	754	\$ 4,966 21						••••	
/William McLaughlin/Atlanta Mill				\$ 2,501 00			\$38,052 62 7,217 37		
/Bacon Mill/Excelsior Mill/Lyon M. and M. Co					3,317 8,911		25,425 84 33,567 00	1,252 10,247	
French Mill. / Union M. and M. Co					1		14,459 22 3,483 44	3,500	
/Woodworth MillOthers	1,657 1,0	21,651 60	.	135,084 84	<u> </u>				
Totals	2,411 1,0	00 \$26,617 81	20,586	\$137,585 84	18,45		\$122,205 49	17,614	

								
	THIRD (QUARTER.	F	ourth	QUARTER.		Тот	CALS.
Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.
3,317 8,911 645		25,425 84 33,567 00 14,459 22	400 1,252 10,247 518 3,500		\$ 8,905 87 6,781 13 42,114 54 12,876 81 35,074 44	5,000 645 4,569 19,158 1,163 3,500 2,033		38,052 62 4 16,123 24 4 32,206 97 75,681 54 27,336 03 35,074 44 17,338 32
18 454		\$122,205 49	17.614		\$119,607 07	59,065	1,000	\$406,016 81 \

NYE

COUNTY-1877.

발하면 10g 14mm 15mm 및 10mm 10g	100		7 10 11 27 11 11 1				<u> </u>								
]	First (Quarter.	s	ECOND	QUARTER.		Тніко	QUARTER.	F	OURTH	Quarter.		Тот	ALS.
Name of Mine or Owner.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.	Tons.	Pounds.	Gross Value.
Adrintic Dominion Gila Gladintor Highbridge Illinois Last Chance McCleary, A. M. Pasqual, Felix Purcell, M. Squire, S. H. Tybo Con West Side E. P. Sure Gilco Q. G. & Bunker Hill Storm King Clipper North San Pedro Stonewall Other mines	1 5,705 2	182 1,474 529 200 622	1,174 26 108 29 535 14 1,080 03 4,400 00 2,310 00 287 91 678 29 52 98 349 81 174,081 43	V. 185 V. 13 7,350 324	671 569 1,322	\$ 25,812 83	4,020 324 51	545 600	2,104 11 23,009 87	5,457	1,998 1,1,630	18,688 80 2,417 12 3,016 60	75 77 55 1 11,162 2 11,379 1060 52 78 28	1,146 1,523 1,671 	2,310 00 - 287 91 678 29 52 98 319 81 279,229 04 67.55 204 10 - 4,066 90 363,275 42 38,175 01 4,118 88 3,016 00 - 4,991 35 3,080 11
Tailings	720		14,877 84				10	j	1,793 0	272		4,950 40	.		
Totals	6,615	1,957	\$200,057 35	7,873	562	\$284,609 00	4,70	1,697	\$177,399 05	6,705	1,947	\$180,518 35	25,897	163	\$842,583 73

244

Wages paid mile employes range from \$2 to \$5 for twelve hour shifts, and seem to be in proportion to the wages paid miners in the district where the works are situated. As a rule, mill employes receive about 10 per cent, more than miners, the difference in the length of their shifts (which for mill hands is almost invariably twelve hours) entitling them to more pay. In one or two districts mill hands were paid less than miners, however. Ohinese are employed to some extent, and receive from \$1 to \$2. They work generally as laborers. Foremen are paid from \$4 to \$10 per day. The scale of wages paid in the Comstock mills is appended:

TABLE CI.—RATE OF WAGES OF DIFFERENT CLASSES OF EMPLOYES IN THE COMSTOCK MILLS.

Class.	Wages per shift.
Agitator men.	\$3 50
Amalgamators.	4 00
Blacksmiths	5.00
Blanket sweepers	3 00 to 3 50
Carpenters	5 00 to 6 00
Chargers	8 50 to 4 00
Driers	4.00
Engineers	E 00 1 = 04
Feeders.	5 00 to 7 00
Firemen	3 00 to 4 00
Foremen	4 00
Laborers	5 00 to 6 00
Masons	3 00 to 4 00
Oilers	6.00
Panmen	3 50 to 4 00
	4 50 to 5 00
Retorters	3 50 to 4 00
Refiners	4 00 to 4 50
Tankmen	3 50 to 4 00
Teamsters	8 50
Watchmen	3 50 to 4 00
Woodmen	
	3 50
	S:

Illustrative tables are appended, showing the classification of the employes in the Comstock mills according to occupation and nationality. Of the 339 men whose nationality is recorded, 8 are classed with the staff and are omitted from the table of occupations.

TABLE CII.—NUMBER OF MEN OF DIFFERENT CLASSES EMPLOYED IN THE PRINCIPAL COMSTOCK MILLS, EXCLUSIVE OF STAFF: 1880.

Mill.	ber of men	employed.	malgamators.	ry feeders.	Blacksmiths.	et sweep.	one mak-	n refiners.	ters	and wait. ers.	ютв.	g	Ę,	ers.	burners.	ists.	pasters.	ghts.		gó		rs.	
Total	Num	H 61	Ama	tte	Black	Blanket	Bluestone ers.	Bullion	Сагре	848	Engineers	Firemen	Foremen	Labore	Lead br	Machinists	Metal ros	Millwri	Oilers.	Retorters	Tankmen	Peamsters	Totol
10001	a	331	27	3	10	17	1	3	5	5:	22	6	5	140	-	9	_	700		-	-	1 1 1	-
Brunswick	1		==			-	=		_	-		_	_	110				1	7	3	50	9.	
alifornia		40	4	•• •••	2	. 4	ļ		1					9			in.	1 mm	9				
xcelsior	. ,	72	7	• • • • • •	1	8			1			3	3	33		2			9	- 2	14	1	
ranklin		12								1.	2		1.	8		-			2	53.	0	7,7%	
yon	1 .	15	2		2	2			1		:			8							17		
Lariposa	• •	46	2		1		1			3 .		3	1	23			, E						
torgan		18	3			,					3 .			7								в	1.5
mega		33	2		2	. 1			1 .		3 .	١		. ρ.		- 71			3		4		
corpion G. and S. M. Co. (b)		12			• • • •			3						7					. 3	24	10	I	
TOHOH		26	4	3		2				~1	5 .			7		7				-35			.
oodworth	1.	11	3	• • • • •	1	.::.					3			4				1			2	. 1	
<u> </u>		31	2	.	1				1							: :			• • •		. 14		

[«]In addition to the number of men here classified there were employed at other mills, which were either idle or running but a short time, 66 men, as watchmen, b Includes Boston and Douglas mills.

TABLE CIU.—NATIONALITY OF MEN EMPLOYED IN THE PRINCIPAL COMSTOCK MILLS, INCLUDING STAFF: 1880.

Mill	rumber employed.	mericans.	zores islands.	Belgians.	Canadians.	Channel islands.	Chinese.	Danes	English.	French	Germans	Trish.	Italians.	Newfoundland	Norwegians.	Nova Scottans.	Portaguese.	Russians.	Scotch:	Slavonians	Swedes.	Swigs	Velsh.
	Z	4		7	3.5		10.05	-	300		2 V.			: € 1;		4	-		32.		31		<u> </u>
Total	839	115	1	1	86	1	29	12	13	1	16	77	2	.2	2	4	10	1	5	.2	.5	3	1
Brunswick	41	17	歷		7		100	3.5	2		2	10	, it.	10		3,3	1.5		13 3. 14 10 10 10 10 10 10 10 10 10 10 10 10 10	2			
California	72	20		1	5				2		5	28	1	-		1	2	1	2		2	2	
Excelsion	12	8		10224	2	ec.	1				2	2	1 21 1				2					10.0	
Franklin	16	7	 		1			3		1	1	2		1.00					· 1 ,				
Lyon Mariposa	48 18	17	1	***	5	. 1	14	7	3		1	3			1.		2			3			
Morgan	34	5			2			5	4		2	8	ġŢ.			1			2	7.	2		
Omega.	13	3			5							4	1			se di							
Scorpion G. and S. M. Co. (a)	26	14					1			<u></u> .		5				1.	4	: 0.1	2		$\mathbf{\hat{I}}$	4.2	
Trench	27	10	٠.,.	(2.65) (3.55)	5				1		177.4	9		2					7.7		2.2		
Woodworth	32	13			1		13	1	1			2	1			у г. У [100 m		97				
		*****				•	. ,,	125	C		100	,, , , ,	71.50						100	tion; "	100 100	partie (1961)	1 . 11 . 12 . 1 . 15 . 1 . 1

a Includes Boston and Douglas mills.

RELATION OF LABOR TO PRODUCT.—An analysis of the results reached in 160 mills shows that for every ton of ore crushed the labor of one man for 3.9 hours, costing \$1 34, is required. For the separate establishments the range is very great, depending upon the character of the ore and the treatment and upon the efficiency of the machinery, while wide variations are found in the averages for the different states and territories. The most economical process in point of labor, as in other details, is the treatment of free milling gold ores by large weterushing mills; the most expensive, that of reducing base silver ores, which require chloridizing roasting as a preliminary to pan amalgamation. Dakota, where the ores worked are exclusively of gold, and California and Oregon, where such ores largely predominate, are therefore the localities where the greatest saving in labor is effected; while Arizona, Nevada, and Montana show a much greater expenditure of labor, as would be expected, in view of the character of their ores. In Colorado and Idaho the different classes of mills are nearly balanced, and the labor employed in crushing a ton of ore closely approximates the average for the whole country. It should be observed that while in tonnage the gold mills take the lead, the silver mills treat ore of a higher grade, so that a comparison based upon the bullion product would show somewhat different results.

To produce a dollar in gold bullion costs 8 cents for mill labor in Dakota; in Nevada, though over five times as much work is required per ton treated, the cost for mill labor per dollar of silver bullion produced is 7 cents, or practically the same proportion. The following table shows the average number of hours' work and cost of labor per ton of ore crushed in the principal mining states and territories, and is based on the treatment of nearly a million and a half tons:

TABLE CIV -- AMOUNT AND COST OF LABOR IN AMALGAMATING MILLS.

State or territory.	Vamber of mills.	Tons treated	Total number of men em ployed	Foremen	Amalgamators	Day Injorers.	Other workings	Rotal number of hours work done during the year	Total sum paid on labor account, exclusive, of staff	Average number of hours per ton crushed	Average amount paid for labor per ton crushed
Total	160	1, 467, 478. 75	2, 046	101	302	657	986	5/745,785	\$1, 973, 906 00	3:,915	\$1: 345 .
Arizona California	1 l	15, 946, 40 419, 883, 50	137, 301	3	23 76	64	47	200, 340 1, 078, 742	71, 717 00 201,577 60	12.563 2.569	4. 497 0. 694
Colorado	28	- 140, 117. 35	197	23	. 22	57	95	579, 574	146,024 00	4. 137	1.042
Dakota Idaho	22	506, 238, 00	259	13	35↑	147	64	825, 001	251,759 00	1. 629	0.497
Montana	13	16, 391, 25 47, 801, 00	59 144	9		9 62	41 56	70, 128 373, 740	22, 017, 00 191, 609, 00	4. 278 7. 819	1. 343 4. 008
Nevada	33	237, 604. 75	742	34	96	147	465	2, 003, 813	739, 149 00	8. 686	3. 111
Oregon	` 5	12, 437. 00	27	2	6	14	. ∖5	41, 684	10, 250 00	3.352	0. 824
Utah	8	71, 059. 50	180	8	19	10	148	512,757	249, 804 00	7. 216	3, 515